



GENERAL CATALOGUE 2013



CHEYNS
FEGIME

INCLUDING:
The New VARTA
Rechargeable Concept



GENERAL CATALOGUE 2013

INNOVATION, COMPETENCE, QUALITY – EVERYTHING AT A GLANCE

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Product display systems for button cells | Clipstrips | Metal Sight Rails | Accessories



GENERAL PURPOSE

Superior Quality. Better Performance. Made in Germany.

„Made in Germany“ is a seal of quality respected around the world as a sign of innovation and top-flight technical expertise.

VARTA Alkaline consumer batteries are produced in Dischingen, Germany. Innovative, top-quality products and more than 125 years of battery expertise ensure our position in the market as a technology leader for mobile energy solutions.

At VARTA Consumer, the highest in security and quality standards are in force, which means that our products pass all standard tests time and again.

VARTA Consumer has the perfect battery for every occasion. Its **TriEnergy** concept stands for long-lasting products and functions as an aid for buyers by helping them choose the right battery. **TriEnergy** comprises three product lines: **Longlife** (Longlasting), **High Energy** (Power) and **Max Tech** (Precise Energy).



LONGLASTING



POWER



PRECISE ENERGY

MAX TECH | CELLS BLISTER



- VARTA precision – for high-tech devices with precise and fluctuating energy demands
- Clear communication of recommended use by way of pictograms
- „Made in Germany“ as the proof of origin on the blister front of the most important product types
- Single Press Out enables easy opening of the pack and good storage for unused batteries
- Performance statements on the packaging of the most important sizes AA / AAA demonstrate the product benefits to consumers and assist in orientation

Type	Voltage (V)	Electrochemical system	Width (mm)	Height (mm)	Depth (mm)	Diameter (mm)	Weight (g)	IEC	Others
4703	1.5	Alkaline	-	44.5	-	10.5	11.3	LR03	Micro, AAA, MN2400, Ministilo
4706	1.5	Alkaline	-	50.5	-	14.5	23.5	LR6	Mignon, AA, MN1500, Stilo
4761	1.5	Alkaline	-	41.5	-	8.3	6.5	LR8D425	AAAA, MN2500

Type	Batteries/consumer unit	Width (mm)	Height (mm)	Depth (mm)	Weight (g)	Order No./consumer unit	EAN/GTIN/consumer unit	Minimum pieces/shipment unit	Innercarton	Mastercarton
4703	2	80	120	12	27	04703 101 412	40 08496 11473 3	10	10	50
4703	4	80	120	12	50	04703 101 404	40 08496 10473 4	10	10	50
4703	4+2	80	120	12	72	04703 101 436	40 08496 67583 8	10	10	50
4706	2	80	120	16	51	04706 101 412	40 08496 11476 4	20	20	100
4706	4	80	120	16	99	04706 101 404	40 08496 10594 6	20	20	100
4706	4+2	80	120	28	147	04706 101 436	40 08496 67579 1	10	10	50
4761	2	80	120	10	19	04761 101 412	40 08496 52497 6	10	10	50

MAX TECH
HIGH ENERGY
LONGLIFE
GENERAL PURPOSE
RECHARGEABLE
PROFESSIONAL
BUTTON CELLS
FLASHLIGHTS
DISPLAY SYSTEMS

HIGH ENERGY | CELLS TRAY



MAX TECH

HIGH ENERGY

LONG LIFE



HIGH ENERGY | BLISTER



MAX TECH

HIGH ENERGY

LONG LIFE



- VARTA power – for energy-hungry devices with high energy demands
- Power „MADE IN GERMANY“ for all important battery types

Type	Voltage (V)	Electrochemical system	Width (mm)	Height (mm)	Depth (mm)	Diameter (mm)	Weight (g)	IEC	Others
4903	1.5	Alkaline	-	44.5	-	10.5	11.3	LR03	Micro, AAA, MN2400, Ministilo
4906	1.5	Alkaline	-	50.5	-	14.5	23.5	LR6	Mignon, AA, MN1500, Stilo
4912	4.5	Alkaline	62.0	67.0	22.0	-	168.5	3LR12	Normal, MN1203
4914	1.5	Alkaline	-	50.0	-	26.2	66.5	LR14	Baby, C, MN1400, 1/2Torcia
4918	6.0	Alkaline	48.5	35.6	9.2	-	34.0	4LR61	Flat Pack, J
4920	1.5	Alkaline	-	61.5	-	34.2	136.0	LR20	Mono, D, MN1300, Torcia
4922	9.0	Alkaline	26.5	48.5	17.5	-	46.0	6LP3146	E-Block, PP3, MN1604, Transistor

Type	Batteries/ consumer unit	Width (mm)	Height (mm)	Depth (mm)	Weight (g)	Order No./ consumer unit	EAN/GTIN/ consumer unit	Minimum pieces/ shipment unit	Innercarton	Mastercarton
4903	4	80	120	12	50	04903 121 814	40 08496 55974 9	14	-	14
4906	4	80	120	16	99	04906 121 814	40 08496 55943 5	11	-	11
4906	4	60	52	15	94	04906 121 354	40 08496 57340 0	10	10	100

- Clear communication of recommended use by way of pictograms
- „Made in Germany“ as the proof of origin on the blister front of the most important product types
- Single Press Out enables easy opening of the pack and good storage for unused batteries

Type	Batteries/ consumer unit	Width (mm)	Height (mm)	Depth (mm)	Weight (g)	Order No./ consumer unit	EAN/GTIN/ consumer unit	Minimum pieces/ shipment unit	Innercarton	Mastercarton
4903	2	80	120	12	27	04903 121 412	40 08496 55970 1	10	10	50
4903	4	80	120	12	50	04903 121 414	40 08496 55974 9	10	10	50
4903	6	80	120	12	72	04903 121 446	40 08496 67926 3	10	10	50
4903*	8	167	120	12	104	04903 121 418	40 08496 55978 7	20	-	20
4903*	10	167	120	12	126	04903 121 461	40 08496 62687 8	20	-	20
4903*	12	167	120	12	149	04903 121 482	40 08496 59303 3	20	-	20
4903*	14+6	167	120	22	242	04903 121 492	40 08496 74820 4	10	10	20
4903*	20	167	120	22	242	04903 121 420	40 08496 62807 0	10	10	20
4903	4+1	80	120	12	62	04903 121 415	40 08496 67396 4	10	10	50
4903	4+2	80	120	12	72	04903 121 436	40 08496 60523 1	10	10	50
4903*	6+2	167	120	12	102	04903 121 428	40 08496 56885 7	20	-	20
4903*	8+4	167	120	12	149	04903 121 472	40 08496 65920 3	20	-	20
4906	2	80	120	16	51	04906 121 412	40 08496 55939 8	20	20	100
4906	4	80	120	16	99	04906 121 414	40 08496 55943 5	20	20	100
4906	6	80	120	28	147	04906 121 446	40 08496 67927 0	10	10	50
4906*	8	167	120	16	203	04906 121 418	40 08496 55951 0	20	-	20
4906*	10	167	120	16	254	04906 121 461	40 08496 62680 9	20	-	20
4906*	12	167	120	16	301	04906 121 482	40 08496 55967 1	20	-	20
4906*	14+6	167	120	30	486	04906 121 492	40 08496 74824 2	10	10	20
4906*	20	167	120	30	486	04906 121 420	40 08496 60565 1	10	10	20
4906	4+1	80	120	16	125	04906 121 415	40 08496 55947 3	10	10	50
4906	4+2	80	120	28	147	04906 121 436	40 08496 56877 2	10	10	50
4906*	6+2	167	120	16	198	04906 121 428	40 08496 55955 8	20	-	20
4906*	8+4	167	120	16	301	04906 121 472	40 08496 65923 4	20	-	20
4912	1	80	120	23	175	04912 121 411	40 08496 55994 7	10	10	100
4914	2	80	120	27	139	04914 121 412	40 08496 55931 2	10	10	100
4918	1	80	120	12	39	04918 121 401	40 08496 55998 5	10	10	50
4920	2	80	120	35	280	04920 121 412	40 08496 55923 7	10	10	50
4922	1	80	120	19	51	04922 121 411	40 08496 55986 2	10	10	50

* Double blister

GENERAL PURPOSE

RECHARGEABLE

PROFESSIONAL

BUTTON CELLS

FLASHLIGHTS

DISPLAY SYSTEMS

LOGLIFE | CELLS TRAY



MAX TECH

HIGH ENERGY

LOGLIFE

LOGLIFE | BLISTER FOIL



MAX TECH

HIGH ENERGY

LOGLIFE

- VARTA durability - for simple devices with rather low and constant energy demands

Type	Voltage (V)	Electrochemical system	Width (mm)	Height (mm)	Depth (mm)	Diameter (mm)	Weight (g)	IEC	Others
4103	1.5	Alkaline	-	44.5	-	10.5	11.0	LR03	Micro, AAA, MN2400, Ministilo
4106	1.5	Alkaline	-	50.5	-	14.5	23.3	LR6	Mignon, AA, MN1500, Stilo
4114	1.5	Alkaline	-	50.0	-	26.2	66.5	LR14	Baby, C, MN1400, 1/2Torcia
4120	1.5	Alkaline	-	61.5	-	34.2	136.0	LR20	Mono, D, MN1300, Torcia
4122	9.0	Alkaline	26.5	48.5	17.5	-	46.0	6LP3146	E-Block, PP3, MN1604, Transistor
4112	4.5	Alkaline	62	67	22	-	89.5	3LR12	Normal, MN1203

- New innovative foilpacks: Communicative, for hooks & stackable on shelves
- Clear communication of recommended use by way of pictograms
- „Made in Germany“ as the proof of origin on the blister front of the most important product types
- Single Press Out enables easy opening of the pack and good storage for unused batteries

Type	Batteries/ consumer unit	Width (mm)	Height (mm)	Depth (mm)	Weight (g)	Order No./ consumer unit	EAN/GTIN/ consumer unit	Minimum pieces/ shipment unit	Innercarton	Mastercarton
4103	2	80	120	12	26	04103 101 412	40 08496 59472 6	10	10	50
4103	4	80	120	12	48	04103 101 414	40 08496 52507 2	10	10	50
4103	4+2	80	120	12	70	04103 101 426	40 08496 63530 6	10	10	50
4103	6	80	120	12	70	04103 101 416	40 08496 52511 9	10	10	50
4103*	10	167	120	12	123	04103 101 461	40 08496 60931 4	20	-	20
4103*	16	167	120	22	193	04103 214 416	40 08496 59208 1	14	-	14
4106	2	80	120	16	51	04106 101 412	40 08496 59467 2	20	20	100
4106	4	80	120	16	98	04106 101 414	40 08496 52515 7	20	20	100
4106	4+2	80	120	28	145	04106 101 426	40 08496 77132 5	10	10	50
4106	6	80	120	28	145	04106 101 436	40 08496 64083 6	10	10	50
4106*	10	167	120	16	252	04106 101 461	40 08496 52523 2	20	-	20
4106*	16	167	120	28	392	04106 214 416	40 08496 59211 1	10	-	10
4112	1	80	120	23	96	04112 101 411	40 08496 67262 2	10	10	100
4114	2	80	120	27	139	04114 101 412	40 08496 52526 3	10	10	100
4120	2	80	120	35	280	04120 101 412	40 08496 52534 8	10	10	50
4122	1	80	120	19	51	04122 101 411	40 08496 52542 3	10	10	50
4122	2	80	120	19	97	04122 101 412	40 08496 63846 8	10	10	50

* Double blister

Type	Batteries/ consumer unit	Width (mm)	Height (mm)	Depth (mm)	Weight (g)	Order No./ consumer unit	EAN/GTIN/ consumer unit	Minimum pieces/ shipment unit	Innercarton	Mastercarton
4106	4	60	52	15	93	04106 101 354	40 08496 57277 9	10	10	100
4106	4	80	120	16	98	04106 101 894	40 08496 68323 9	22	-	22
4103	4	80	120	12	48	04103 101 894	40 08496 68320 8	28	-	28

Type	Batteries/ consumer unit	Width (mm)	Height (mm)	Depth (mm)	Weight (g)	Order No./ consumer unit	EAN/GTIN/ consumer unit	Minimum pieces/ shipment unit	Innercarton	Mastercarton
4103**	8	55	121	11	89	04103 101 328	40 08496 74468 8	25	-	25
4106**	8	64	155	15	188	04106 101 328	40 08496 68112 9	25	-	25
4114***	6	156	50	27	401	04114 101 306	40 08496 57274 8	30	-	30

** Flowpack

*** Foil

GENERAL PURPOSE

RECHARGEABLE

PROFESSIONAL

BUTTON CELLS

FLASHLIGHTS

DISPLAY SYSTEMS

ENERGY | CELLS



4103 4106 4114 4120 4122



ENERGY | BLISTER
VALUE PACK
CLEAR VALUE PACK



4103 / 4106
4114 / 4120
4122
4103 / 4106
4103 / 4106
4103 / 4106***
4103 / 4106*
4103 / 4106**



- Very good value for your money
- Quality Made in Germany

Type	Voltage (V)	Electrochemical system	Width (mm)	Height (mm)	Depth (mm)	Diameter (mm)	Weight (g)	IEC	Others
4103	1.5	Alkaline	-	44.5	-	10.5	11.0	LR03	Micro, AAA, MN2400, Ministilo
4106	1.5	Alkaline	-	50.5	-	14.5	23.3	LR6	Mignon, AA, MN1500, Stilo
4114	1.5	Alkaline	-	50.0	-	26.2	66.5	LR14	Baby, C, MN1400, 1/2Torcia
4120	1.5	Alkaline	-	61.5	-	34.2	136.0	LR20	Mono, D, MN1300, Torcia
4122	9.0	Alkaline	26.5	48.5	17.5	-	46.0	6LP3146	E-Block, PP3, MN1604, Transistor

- Single Press Out enables easy opening of the pack and good storage for unused batteries

Type	Batteries/consumer unit	Width (mm)	Height (mm)	Depth (mm)	Weight (g)	Order No./consumer unit	EAN/STIN/consumer unit	Minimum pieces/shipment unit	Innercarton	Mastercarton
4103	2	80	120	12	26	04103 229 412	40 08496 77033 5	10	10	50
4103	4	80	120	12	48	04103 229 414	40 08496 62645 8	10	10	50
4103	6	80	120	12	70	04103 229 416	40 08496 67654 5	10	10	50
4103***	8	167	120	12	101	04103 229 418	40 08496 62653 3	20	-	20
4103*	10	107.5	46.5	12.2	115	04103 229 410	40 08496 63501 6	50	-	50
4103***	10	167	120	12	123	04103 229 491	40 08496 67436 7	20	-	20
4103**	24	74.5	48	56.5	270	04103 229 224	40 08496 63472 9	12	-	12
4106	2	80	120	16	51	04106 229 412	40 08496 77037 3	20	20	100
4106	4	80	120	16	98	04106 229 414	40 08496 62641 0	20	20	100
4106	6	80	120	28	145	04106 229 416	40 08496 67658 3	10	10	50
4106***	8	167	120	16	196	04106 229 418	40 08496 62649 6	20	-	20
4106*	10	144	51.5	16	241	04106 229 410	40 08496 63502 3	50	-	50
4106***	10	167	120	16	252	04106 229 491	40 08496 67439 8	20	-	20
4106**	24	99	53	73	570	04106 229 224	40 08496 63471 2	12	-	12
4114	2	80	120	27	139	04114 229 412	40 08496 62657 1	10	10	100
4120	2	80	120	35	280	04120 229 412	40 08496 62661 8	10	10	50
4122	1	80	120	19	51	04122 229 411	40 08496 62665 6	10	10	50

*Value Pack
**Clear Value Pack
***Double Blister

GENERAL PURPOSE

RECHARGEABLE

PROFESSIONAL

BUTTON CELLS

FLASHLIGHTS

DISPLAY SYSTEMS

SUPERLIFE | FOIL TRAY BLISTER



SPECIAL | BATTERIES FOR SPECIAL NEEDS AND FOR ELECTRIC FENCES



- Brand quality for the price-conscious
- Reliable zinc-carbon cells for all low-drain appliances like clocks etc.

- Compact, powerful batteries for continuous operation
- Focus of use in safety devices, e.g. alarm systems, continuous light bulbs or flashlights

Type	Voltage (V)	Electrochemical System	Width (mm)	Height (mm)	Depth (mm)	Weight (g)	Batteries/consumer unit	Order No./consumer unit	EAN/GTIN/consumer unit (40 08496)	Minimum pieces/shipment unit	Innercarton	Mastercarton	IEC	Others
2006*	1.5	Zinc Carbon	60	52	15	72	4	2006 101 304	40 08496 55646 5	12	12	60	R6P	Mignon, AA
2006*	1.5	Zinc Carbon	122	52	15	145	8	2006 101 308	40 08496 20661 2	6	6	30	R6P	Mignon, AA
2012*	4.5	Zinc Carbon	62	64	22	102	1	2012 101 301	40 08496 55659 5	44	-	44	3R12P	Normal
2014*	1.5	Zinc Carbon	54	51	27	96	2	2014 101 302	40 08496 55650 2	12	12	60	R14P	Baby, C
2014*	1.5	Zinc Carbon	104	50	27	193	4	2014 101 304	40 08496 62630 4	6	6	30	R14P	Baby, C
2020*	1.5	Zinc Carbon	70	62	35	202	2	2020 101 302	40 08496 55654 0	12	12	60	R20P	Mono, D
2020*	1.5	Zinc Carbon	206	61	34	602	6	2020 101 306	40 08496 62627 4	20	-	20	R20P	Mono, D
2022*	9.0	Zinc Carbon	26.5	48.5	17.5	38	1	2022 101 301	40 08496 55663 2	12	12	216	6F22	E-Block
2003**	1.5	Zinc Carbon	80	120	11.5	38	4	2003 101 414	40 08496 67618 7	12	12	24	R03P	Micro, AAA
2006**	1.5	Zinc Carbon	80	120	16	76	4	2006 101 414	40 08496 55626 7	12	12	60	R6P	Mignon, AA
2012**	4.5	Zinc Carbon	80	120	23.5	106	1	2012 101 411	40 08496 55638 0	10	10	100	3R12P	Normal
2014**	1.5	Zinc Carbon	80	120	27	102	2	2014 101 412	40 08496 55630 4	12	12	60	R14P	Baby, C
2020**	1.5	Zinc Carbon	80	120	35	208	2	2020 101 412	40 08496 55634 2	12	12	60	R20P	Mono, D
2022**	9.0	Zinc Carbon	80	120	19	43	1	2022 101 411	40 08496 55642 7	10	10	50	6F22	E-Block

* Foil
** Blister

Type	Voltage (V)	Width (mm)	Height (mm)	Depth (mm)	Weight (g)	Capacity (Ah)	Order No./consumer unit	EAN/GTIN/consumer unit	Minimum pieces/shipment unit	IEC	Electrochemical system
420	6.0	67	112.5	67	560	8.1	00420 101 111	40 08496 20331 4	16	4R25Y	Zinc-chlorid
430	6.0	67	115	67	570	7.5	00430 101 111	40 08496 17138 5	20	4R25X	Zinc-chlorid
431	6.0	67	115	67	558	8.5	00431 101 111	40 08496 17139 2	20	4R25X	Zinc-chlorid
435	6.0	136	125	73	1293	33	00435 101 111	40 08496 49399 9	6	4LR25-2	Alkaline
439	9.0	65,5	79,5	52	360	4.6	00439 101 111	40 08496 20425 0	6	6F100	Zinc-chlorid
540*	6.0	130	120	70	1142	19	00540 101 111	40 08496 16562 9	5	4R25-2	Zinc-chlorid
540**	6.0	130	120	70	1142	19	00540 101 121	40 08496 16509 4	5	4R25-2	Zinc-chlorid

* Plastic housing
** Metal housing

GENERAL PURPOSE

RECHARGEABLE

PROFESSIONAL

BUTTON CELLS

FLASHLIGHTS

DISPLAY SYSTEMS



RECHARGEABLES & CHARGERS

The green product line.

NEW VARTA Rechargeable Range – The best consumer orientation for ahead-looking Retailers.

The in-depth analysis of the latest Consumers' needs and Retailers' requirements has led to the optimization of our Rechargeable assortment.

The new, simplified **VARTA Rechargeable** assortment comprises overall focus on high sellers including more specified products and the broadest **Ready To Use** range. The optimized segmentation is based on capacities and battery sizes, whereas the improved **VARTA Charger** range focuses on charging times and safety features. All improvements are clearly communicated by a modern, eye-catching design.

The new **VARTA Rechargeable Relaunch Concept** based on 5 essential Consumer needs:

- 1. Simplified purchasing decisions:** Optimized Battery and Charger assortment and improved packaging design.
- 2. Broaden the Ready To Use range:** Ideal covering of needs thanks to the largest Ready To Use assortment.
- 3. Save money:** Distinctive and effective claim on blisters.
- 4. Offer new product solutions:** Toy Accu, Solar Accu, Phone Accu and high-end Ready To Use capacities to meet specific needs of key target groups.
- 5. Reduce environmental impact:** Offering products which help the consumers protecting the environment.



ACCUS | CELLS
BLISTER



- Complete Ni-MH range with all necessary sizes and capacities
- With Ready To Use technology: These rechargeable batteries are ready to be used immediately without requiring any charging first. Pre-charged and very low self-discharge
- Rechargeable without memory effect
- Suitable for all chargers

Type	Voltage (V)	Electrochemical system	Typical capacity (mAh)	Height/Depth (mm)	Diameter (mm)	Weight (g)	IEC	Others
56703	1.2	Ni-MH	800	44.5	10.5	12	HR 03	AAA, Micro
5703	1.2	Ni-MH	1000	44.5	10.5	14	HR 03	AAA, Micro
56716	1.2	Ni-MH	1600	50.5	14.5	25	HR 6	AA, Mignon
56706	1.2	Ni-MH	2100	50.5	14.5	29	HR 6	AA, Mignon

Type	Batteries/consumer unit	Typical capacity (mAh)	Width (mm)	Height (mm)	Depth (mm)	Weight (g)	Order No./consumer unit	EAN/GTIN/consumer unit	Minimum pieces/shipment unit	Innercarton	Mastercarton	Others
56703	10	800	56	45	23	125	56703 101 111	40 08496 55086 9	10	40	360	AAA, Micro
56703	2	800	80	120	12	28	56703 101 402	40 08496 55057 9	10	10	50	AAA, Micro
56703	4	800	80	120	12	52	56703 101 404	40 08496 55061 6	10	10	50	AAA, Micro
56703	6	800	80	120	12	76	56703 101 436	40 08496 67431 2	10	10	50	AAA, Micro
56703	3+1	800	80	120	12	52	56703 101 494	40 08496 63637 2	10	10	50	AAA, Micro
5703	2	1000	80	120	12	32	05703 301 402	40 08496 53862 1	10	10	50	AAA, Micro
5703	4	1000	80	120	12	60	05703 301 404	40 08496 59437 5	10	10	50	AAA, Micro
5703	4+1	1000	80	120	12	60	05703 301 405	40 08496 77288 9	10	10	50	AAA, Micro
5703	3+1	1000	80	120	12	60	56703 301 494	40 08496 77292 6	10	10	50	AAA, Micro
56716	2	1600	80	120	16	54	56716 101 402	40 08496 63570 2	10	10	100	AA, Mignon
56716	4	1600	80	120	16	104	56716 101 404	40 08496 63574 0	10	10	100	AA, Mignon
56706	10	2100	144	51.5	16	298	56706 101 111	40 08496 55091 3	10	10	200	AA, Mignon
56706	2	2100	80	120	16	62	56706 101 402	40 08496 55065 4	10	10	100	AA, Mignon
56706	4	2100	80	120	16	120	56706 101 404	40 08496 55069 2	10	10	100	AA, Mignon
56706	6	2100	80	120	28	180	56706 101 436	40 08496 67427 5	10	10	50	AA, Mignon
56706	3+1	2100	80	120	16	120	56706 101 494	40 08496 63641 9	10	10	100	AA, Mignon
56706	4+2AAA	2100	80	120	25	147	56706 101 496	40 08496 63798 0	10	10	30	AA, Mignon

ACCUS

GENERAL PURPOSE

RECHARGEABLE

PROFESSIONAL

BUTTON CELLS

FLASHLIGHTS

DISPLAY SYSTEMS

ACCUS | CELLS BLISTER



56756



5716



56714



56720



56722

ACCUS

TOY ACCU | CELLS BLISTER



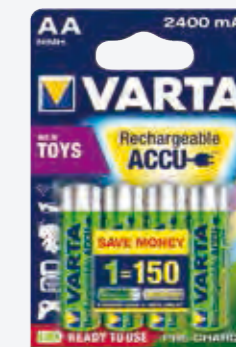
56783



56786



56783



56786



ACCUS

- Complete Ni-MH range with all necessary sizes and capacities
- With Ready To Use technology: These rechargeable batteries are ready to be used immediately without requiring any charging first. Pre-charged and very low self-discharge
- Rechargeable without memory effect
- Unique: Highest capacities AA 2600 mAh and AAA 1000 mAh with Ready to Use

Type	Voltage (V)	Electrochemical system	Typical capacity (mAh)	Width (mm)	Height/Depth (mm)	Depth (mm)	Diameter (mm)	Weight (g)	IEC	Others
56756	1.2	Ni-MH	2400	-	50.5	-	14.5	30	HR 6	AA, Mignon
5716	1.2	Ni-MH	2600	-	50.5	-	14.5	30	HR 6	AA, Mignon
56714	1.2	Ni-MH	3000	-	50	-	26	66	HR 14	C, Baby
56720	1.2	Ni-MH	3000	-	61.5	-	34.2	82	HR 03	D, Mono
56722	9	Ni-MH	200	26.6	15.7	48.5	-	36	HR 9V	9V, E-Block

Type	Batteries/consumer unit	Typical capacity (mAh)	Width (mm)	Height (mm)	Depth (mm)	Weight (g)	Order No./consumer unit	EAN/GTIN/consumer unit	Minimum pieces/shipment unit	Innercarton	Mastercarton	Others
56756	2	2400	80	120	16	64	56756 101 402	40 08496 57542 8	10	10	100	AA, Mignon
56756	4	2400	80	120	16	124	56756 101 404	40 08496 57546 6	10	10	100	AA, Mignon
56756	3+1	2400	80	120	16	124	56756 101 494	40 08496 66146 6	10	10	100	AA, Mignon
56756	4+1	2400	80	120	16	158	56756 101 405	40 08496 74737 5	10	10	50	AA, Mignon
5716	2	2600	80	120	16	64	05716 101 402	40 08496 74593 7	10	10	100	AA, Mignon
5716	4	2600	80	120	16	124	05716 101 404	40 08496 74597 5	10	10	100	AA, Mignon
56714	20	3000	135	52	108	1336	56714 101 111	40 08496 55094 4	20	20	200	C, Baby
56714	2	3000	80	120	27	138	56714 101 402	40 08496 55073 9	10	10	100	C, Baby
56720	20	3000	172	63	140	1517	56720 101 111	40 08496 55098 2	20	20	100	D, Mono
56720	2	3000	80	120	35	172	56720 101 402	40 08496 55077 7	10	10	50	D, Mono
56722	20	200	71	50	132	734	56722 101 111	40 08496 55102 6	20	20	200	9V, E-Block
56722	1	200	80	120	19	41	56722 101 401	40 08496 55081 4	10	10	50	9V, E-Block

- Especially developed to meet the needs and requirements of toys
- High capacity for power-hungry toys for long lasting fun
- Ready To Use technology, low self-discharge, high resilience and a long life span
- Fits in every battery-driven toy
- Child warning symbol and improved +/- poles indication

Type	Voltage (V)	Electrochemical system	Typical capacity (mAh)	Width (mm)	Height/Depth (mm)	Depth (mm)	Diameter (mm)	Weight (g)	IEC	Others
56783	1.2	Ni-MH	800	-	44.5	-	10.5	12	HR 03	AAA, Micro
56786	1.2	Ni-MH	2400	-	50.5	-	14.5	30.0	HR 6	AA, Mignon

Type	Batteries/consumer unit	Typical capacity (mAh)	Width (mm)	Height (mm)	Depth (mm)	Weight (g)	Order No./consumer unit	EAN/GTIN/consumer unit	Minimum pieces/shipment unit	Innercarton	Mastercarton	Others
56783	2	800	80	120	12	28	56783 101 402	40 08496 77199 8	10	10	50	AAA, Micro
56783	4	800	80	120	12	52	56783 101 404	40 08496 77203 2	10	10	50	AAA, Micro
56786	2	2400	80	120	16	64	56786 101 402	40 08496 77207 0	10	10	100	AA, Mignon
56786	4	2400	80	120	16	124	56786 101 404	40 08496 77211 7	10	10	100	AA, Mignon

- ▼ Toys are amongst the most used Accu applications (50% of consumers buy rechargeable cells for toys)*
- ▼ 8 out of 12 top toy gifts require batteries, 5 have no batteries included**
- ▼ VARTA has a strong brand reputation among family with kids***



* Independent European Market Research Study, 2012, n=900
 ** UK Toy Association, annual „dreamtoy“ pre-Christmas Gift suggestion list
 *** U&A Study 2010

GENERAL PURPOSE

RECHARGEABLE

PROFESSIONAL

BUTTON CELLS

FLASHLIGHTS

DISPLAY SYSTEMS

PHONE ACCU | CELLS BLISTER



58398



58399



58398



58399

ACCUS

- Premium quality for the growing analog and digital cordless phone market
- Optimized capacity for cordless phones which need recharging their batteries every day (high cycles)
- Rechargeable hundreds of times without memory effect
- Precise energy and durable power supply

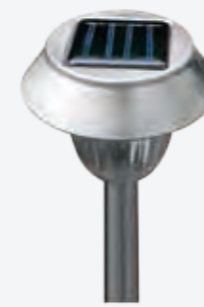
Type	Voltage (V)	Electrochemical system	Typical capacity (mAh)	Width (mm)	Height/Depth (mm)	Depth (mm)	Diameter (mm)	Weight (g)	IEC	Others
58398	1.2	Ni-MH	800	-	44.5	-	10.5	12.0	HR 03	AAA, Micro
58399	1.2	Ni-MH	1600	-	50.5	-	14.5	25.0	HR 6	AA, Mignon

Type	Batteries/consumer unit	Typical capacity (mAh)	Width (mm)	Height (mm)	Depth (mm)	Weight (g)	Order No./consumer unit	EAN/GTIN/consumer unit	Minimum pieces/shipment unit	Innercarton	Mastercarton	Others
58398	2	800	80	120	12	28	58398 101 402	40 08496 33086 7	10	10	50	AAA, Micro
58399	2	1600	80	120	16	54	58399 201 402	40 08496 33090 4	10	10	100	AA, Mignon

- ▼ A VARTA BEST SELLER in electronics stores and DIY channel
- ▼ Visibility recommendation: place the Phone Accus next to the respective devices in store to increase sell out!



SOLAR ACCU | CELLS BLISTER



56736



56736

ACCUS

- Especially developed for solar garden lights
- Optimized capacity for solar lights which charge their batteries with low current
- With NiMH long-lasting energy
- Fast-growing market

Type	Voltage (V)	Electrochemical system	Typical capacity (mAh)	Width (mm)	Height/Depth (mm)	Depth (mm)	Diameter (mm)	Weight (g)	IEC	Others
56736	1.2	Ni-MH	800	-	50.5	-	14.5	19.0	HR 6	AA, Mignon

Type	Batteries/consumer unit	Typical capacity (mAh)	Width (mm)	Height (mm)	Depth (mm)	Weight (g)	Order No./consumer unit	EAN/GTIN/consumer unit	Minimum pieces/shipment unit	Innercarton	Mastercarton	Others
56736	2	800	80	120	16	42	56736 101 402	40 08496 65868 8	10	10	100	AA, Mignon

- ▼ Ideal in DIY and gardening channels
- ▼ Visibility recommendation: place the Solar Accus next to the respective devices in store to increase sell out!



GENERAL PURPOSE

RECHARGEABLE

PROFESSIONAL

BUTTON CELLS

FLASHLIGHTS

DISPLAY SYSTEMS

THE NEEDS OF CONSUMERS – THE REQUIREMENTS OF RETAIL BUSINESS

Consumer needs	The VARTA solution	Retail requirements
The best battery for every device	A new packaging design to find the right energy solution immediately	Self explaining products to boost the business and increase the basket value
Immediate power	The largest assortment of Ready To Use Rechargeable Batteries	Providing the best technical solution
Save money	„SAVE MONEY“ information with comparable number of Alkaline Batteries	Supporting the consumer to save while shopping
Device-specific solutions for an easy purchasing decision	Offering Toys Accu, Phone Accu and Solar Accu	Increased sales
Protect the environment	Reduce environmental impact by offering the proper Rechargeable Products	Offering sustainable products
Longer usage of mobile devices	The new generation of VARTA Powerpacks	Trendy products to gain new consumers

Source: VARTA market research, 2012

SAVE MONEY – A STRIKING BENEFIT

„SAVE MONEY“ claim communicating the key benefit of Rechargeable Batteries

The indicated saving potential depends on the capacity of the Rechargeable Battery.

*IEC norm tests

Indication of the compensatory quantity of disposable batteries: in this example one VARTA Rechargeable Battery replaces up to 300 Alkaline Batteries

Pictures of both battery types, as internationally comprehensible illustration of the comparison

The most important improvements at a glance:

<p>A simplified assortment and a new, highly effective packaging communication.</p>	<p>Ideal covering of needs thanks to the largest Ready To Use assortment.</p>	<p>High differentiation through a distinctive claim: SAVE MONEY.</p>	<p>New product solutions to meet specific needs of key target groups.</p>	<p>Offering products which help the consumers protecting the environment.</p>
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The most important target groups for VARTA and for your turnover in the rechargeable segment:

<p>For VARTA Rechargeable Accus: A. Low involved consumers as main target group: mothers with kids, for household equipment and toys. B. High involved consumers as second target group: semi-professionals looking for high-performance and Ready To Use function.</p>	<p>For VARTA Chargers: A. Lower priced chargers with relatively good features for low involved consumers. B. Fast chargers with multiple functions for high involved consumers.</p>	<p>For VARTA Powerpacks: For people using their mobile devices (smartphones, digital cameras, mp3 players, GPS and portable tablets) on the go: outdoor enthusiasts, business people, students.v</p>
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THE NEW VARTA RECHARGEABLE DESIGN

An appealing and efficient design, developed on the base of the most current in-depth market research.* As the results confirm, the new VARTA blister design is leading the consumer to a faster and easier purchasing decision.

For a fast orientation: battery size and chemistry

Animating „Ready To Use“ Icon

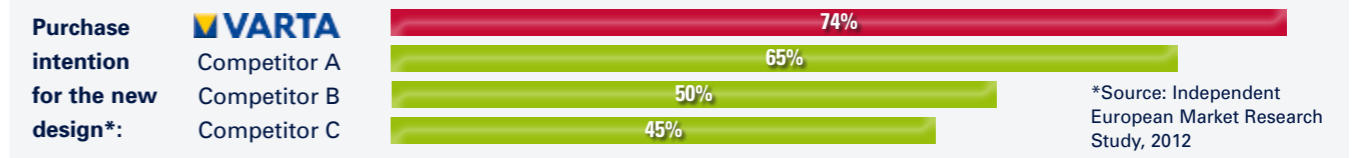
„SAVE MONEY“ to communicate the key benefit of Rechargeable Batteries

„PRE-CHARGED“ Supporting the Ready To Use claim

Easier navigation thanks to icons referring to respective devices and applications

The new VARTA Chargers focus on charging time and safety features via icons:

- Charging time: 2h
- Temperature control
- Timer cut off
- Bad cell & alkaline detection
- Minus Delta V Cut Off
- Trickle charge



GENERAL PURPOSE

RECHARGEABLE

PROFESSIONAL

BUTTON CELLS

FLASHLIGHTS

DISPLAY SYSTEMS

READY TO USE TECHNOLOGY

6 Compelling Advantages Of Ready To Use Rechargeable Batteries

1. VARTA Ready To Use Rechargeable Batteries are ready to be used straight from the pack **without requiring charging first.**
2. VARTA Ready To Use Rechargeable Batteries have a **very low self-discharge** and an extremely long shelf life (e.g. about 80% remaining capacity after 24 months).
3. It's possible to keep the VARTA Ready To Use Rechargeable Batteries in your device for **a long time without recharging.**
4. It's possible to use the VARTA Ready To Use Rechargeable Batteries for **energy-hungry devices** as well as for **low current devices.**
5. All VARTA Ready To Use Rechargeable Batteries are rechargeable **in all chargers.**
6. Ready To Use is by **74%** the **best understood claiming** by consumers*



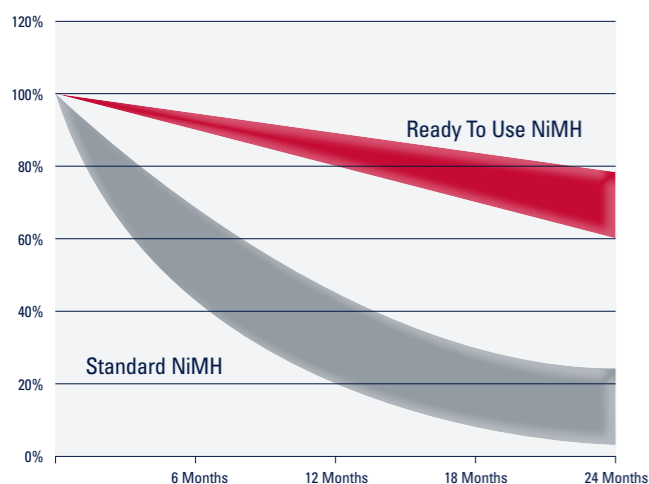
1st advantage: **Pre-Charged**



2nd advantage: **Low Self-Discharge**



Comparison between self-discharge Ready To Use NiMH and standard NiMH



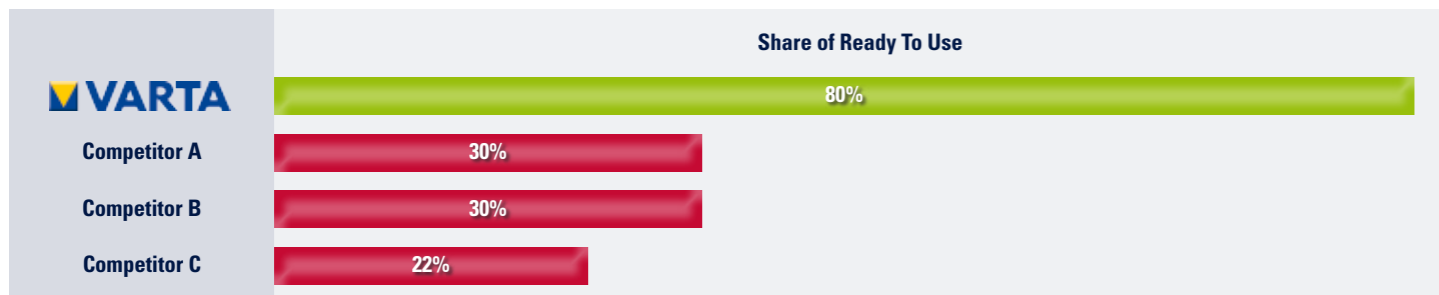
Ready To Use: Low self-discharge through improved technique

- + modified electron material
- + improved separators
- + reduced ammoniac shuttle process

Much less energy loss than standard NiMh Accus after 24 months



VARTA offers the largest Ready To Use assortment without upcharge**



*Source: Independent European Market Research Study, 2012 ** Internet Market Research, 2012

VARTA COMPLIES TO ALL EU DIRECTIVES

The EU directive about capacity claiming of rechargeable batteries

The **EU directive** concerning the capacity claiming of rechargeable batteries (according to article 21 (2) of the battery directive 2006/66/EG & regulation (EU) 1103/2010) became effective, after a 18 months transition period, on **May 29th 2012.**

This **EU directive**, containing detailed rules about determining and claiming of capacity, guarantees that capacity claiming for rechargeable batteries is established on the same basis irrespective of manufacturers. Previously the nominal capacity was claimed, however since **May 29th 2012** the minimum capacity is the only measurement which can legally be labelled on any rechargeable battery sold within the European Union.

VARTA – as a provider of quality products – implemented the regulation ahead of time, ensuring all rechargeable batteries comply with this **EU regulation.**

KEY FACTS



Nominal capacity claiming:
Was the leading standard for rechargeable batteries claiming from all manufactures before the introduction of the EU directive for capacity claiming.

Minimum capacity claiming:
Is the new standard for all rechargeable batteries claiming for all manufactures since the introduction of the EU directive for capacity claiming. It's the minimum capacity level a cell can reach, with maximum a tolerance of 1% deviation (IEC/EN 61951-2).

As always **VARTA** remains your reliable supplier and we consider it our responsibility to always deliver the **highest quality products and care** to our Customers.

The EU Eco-design directive

The EuP-directive 2005/32/EG of the European Parliament established a framework for the setting of ecodesign requirements for energy-using products. Its aim is to reduce the environmental impact of Energy using Products (EuP) and primarily targets a higher efficiency on main supplies and lower energy consumption in stand-by-mode. Design and construction should both minimize the environmental impact. The VARTA Chargers range is continually upgrading to meet the growing environmental expectations.



GENERAL PURPOSE

RECHARGEABLE

PROFESSIONAL

BUTTON CELLS

FLASHLIGHTS

DISPLAY SYSTEMS

CHARGERS



Mini Charger
with different garnishing
57666



Pocket Charger
with different garnishing
57662

CHARGERS

CHARGERS



Plug Charger
with different garnishing
57667



Universal Charger
without cells
57668

CHARGERS

- All with pre-charged Ready To Use accus
- Easy to use products with high functionality at best price
- Mini Charger: The most favorable of the VARTA chargers ideal for MP3 players
- Pocket Charger: For two or four cells in a handy design

- Plug Charger: The convenient and reliable plug charger for 2-4 rechargeable batteries with worldwide usage and timer cut off
- Universal Charger: The compact multi-charger for all sizes with an energy efficient power supply with worldwide usage and timer cut off for maximum safety

Type	Voltage (V)	Plug	Equipped with	Width (mm)	Height (mm)	Depth (mm)	Weight (g)	Order No./ consumer unit	EAN / GTIN (40 08496)	Consumer unit	Minimum pieces/ shipment unit	Mastercarton	Charging time	Shutdown function	Trickle charging	Pairwise charging is necessary	Chargeable sizes	Technologies	Power supply (internal – external)
Mini Charger	230	EURO	without cells	80	195	78	160	57666 101 401	... 67366 7	1	4	4	15 h	-	-	Yes	2 AA, AAA	Ni-MH	Internal
Mini Charger (incl. 2 x AAA 800 mAh)	230	EURO	2 x AAA 800 mAh 56703	80	195	78	184	57666 201 421	... 67378 0	1	4	4	15 h	-	-	Yes	2 AA, AAA	Ni-MH	Internal
Mini Charger (incl. 2 x AA 2100 mAh)	230	EURO	2 x AA 2100 mAh 56706	80	195	78	218	57666 101 451	... 67372 8	1	4	4	15 h	-	-	Yes	2 AA, AAA	Ni-MH	Internal
Mini Charger (incl. 2 x AA 2400 mAh)	230	EURO	2 x AA 2400 mAh 56756	80	195	78	220	57666 101 461	... 67375 9	1	4	4	15 h	-	-	Yes	2 AA, AAA	Ni-MH	Internal
Pocket Charger	230	EURO	without cells	80	195	85	223	57662 101 401	... 67334 6	1	4	4	7 h	Timer	-	Yes	2/4 AA, AAA	Ni-MH	Internal
Pocket Charger (incl. 4 x AA 1600 mAh)	230	EURO	4 x AA 1600 mAh 56716	80	195	85	323	57662 101 441	... 67348 3	1	4	4	7 h	Timer	-	Yes	2/4 AA, AAA	Ni-MH	Internal
Pocket Charger (incl. 4 x AA 2100 mAh)	230	EURO	4 x AA 2100 mAh 56706	80	195	85	339	57662 101 451	... 67351 3	1	4	4	7 h	Timer	-	Yes	2/4 AA, AAA	Ni-MH	Internal
Pocket Charger (incl. 4 x AA 2600 mAh)	230	EURO	4 x AA 2600 mAh 5716	80	195	85	343	57662 101 471	... 67354 4	1	4	4	7 h	Timer	-	Yes	2/4 AA, AAA	Ni-MH	Internal
Pocket Charger (incl. 4 x AA 2100 mAh + 2 x AAA 800 mAh)	230	EURO	4 x AA + 2 x AAA 2100 mAh/800 mAh 56706 + 56703	80	195	85	363	57662 301 431	... 67890 7	1	4	4	7 h	Timer	-	Yes	2/4 AA, AAA	Ni-MH	Internal

Type	Voltage (V)	Plug	Equipped with	Width (mm)	Height (mm)	Depth (mm)	Weight (g)	Order No./ consumer unit	EAN / GTIN (40 08496)	Consumer unit	Min. pieces/shipment unit	Mastercarton	Charging time	Shutdown function	Trickle charging	Pairwise charging is necessary	Chargeable sizes	Technologies	Power supply (internal – external)
Plug Charger (incl. 4 x AA 2100 mAh)	100-240	EURO	4 x AA 2100 mAh 56706	100	195	73	257	57667 101 451	... 67381 0	1	4	4	5h	Timer	-	Yes	2/4 AA, AAA	Ni-MH	Internal
Universal Charger	100-240	EURO	without cells	180	240	87	403	57668 101 401	... 67390 2	1	2	2	5h	Timer	Yes	Yes	2/4 AA, AAA, C, D, 1/2 9V	Ni-MH	External

GENERAL PURPOSE

RECHARGEABLE

PROFESSIONAL

BUTTON CELLS

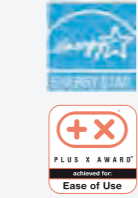
FLASHLIGHTS

DISPLAY SYSTEMS

CHARGERS



LCD Plug Charger
incl. 4 x AA 2100 mAh
57670



LCD Charger
with different garnishing
57070



15 Minute Ultra Fast Charger
incl. 4 x AA 2400 mAh
+ 12V Adapter
57075

CHARGERS

CHARGERS



USB Charger
incl. 4 x AA 2600 mAh
+ USB cable
57048



CHARGERS

- High charging speed and safety features at once
- The right charger for the growing market of digital devices
- A customised product range for consumers who look for power, mobility and speed
- LCD Charger: Automatic charge level measurement, high-quality blue LCD display and fast 2h charge
- LCD Plug Charger: Plug charger with high quality blue LCD display and 4h charge
- 15 Minute Ultra Fast Charger: Charges all Ni-MH rechargeable batteries in 15 minutes and comes with 12V car adapter

More than a charger!

- USB Charger: High charging speed and innovative USB-In & USB-Out features
- Comes with 4 x 2600 mAh high-end Ready To Use accu

Type	Voltage (V)	Plug	Equipped with	Width (mm)	Height (mm)	Depth (mm)	Weight (g)	Order No./consumer unit	EAN / GTIN (40 08496 ...)	Consumer unit	Min. pieces/shipment unit	Master carton	Charging time	Shutdown function	Trickle charging	Chargeable sizes	Technologies	Single slot charging	Power supply (internal – external)
LCD Plug Charger (incl. 4 x AA 2100 mAh)	100-240	EURO	4x AA 56706 2100 mAh	100	195	73	270	57670 101 451 ...	68058 0	1	4	4	4h	Timer, Minus Delta V	-	2/4 AA / AAA	Ni-MH	-	Internal
LCD Charger (incl. 12V adapter + USB cable)	100-240	EURO	12V adapter + USB cable	120	230	93	259	57070 201 401 ...	64135 2	1	2	2	2h	Timer, Minus Delta V, temperature control	Yes	2/4 AA / AAA	Ni-MH	-	External
LCD Charger (incl. 4 x AA 2400 mAh + 12V adapter + USB cable)	100-240	EURO	4 x AA 56756 2400 mAh + 12V adapter + USB cable	120	230	93	379	57070 201 441 ...	64032 4	1	2	2	2h	Timer, Minus Delta V, temperature control	Yes	2/4 AA / AAA	Ni-MH	-	External
LCD Charger (incl. 4 x AA 2600 mAh + 12V adapter + USB cable)	100-240	EURO	4 x AA 5716 2600 mAh + 12V adapter + USB cable	120	230	93	379	57070 201 451 ...	64132 1	1	2	2	2h	Timer, Minus Delta V, temperature control	Yes	2/4 AA / AAA	Ni-MH	-	External
15 minute Ultra Fast Charger (incl. 4 x AA 2400 mAh + 12V adapter)	100-240	EURO	4 x AA 56756 2400 mAh + 12V adapter	180	265	110	766	57075 201 441 ...	59448 1	1	2	2	15 min.	Timer, Minus Delta V, temperature control	Yes	1-4 AAA / AA	Ni-MH	Yes	External

USB-In & USB-Out function:

POSSIBILITY 1:
Charge your batteries in the VARTA USB Charger by using the USB-Port of your laptop as the power source.

POSSIBILITY 2:
Plug VARTA USB Charger into the power outlet and charge your device (MP3-Player, Smart-phone, Digital Camera etc.) directly via USB.

POSSIBILITY 3:
Use batteries (Alkaline or Accu) as power source to charge your devices (MP3-Player, Smartphone, Digital Camera etc.) directly from the VARTA USB Charger.

Type	Voltage (V)	Plug	Equipped with	Width (mm)	Height (mm)	Depth (mm)	Weight (g)	Order No.	EAN / GTIN (40 08496 ...)	Consumer unit	Min. pieces/shipment unit	Master carton	Charging time	Shutdown function	Trickle charging	Technologies	Chargeable sizes	Power supply
USB Charger (incl. 4 x AA 2600mAh + USB adapter)	100-240V	EURO	4 x AA 5716 2600 mAh	120	230	85	374	57048 201 441 ...	67318 6	1	2	2	1.5h	Minus Delta V, Timer, Temperature control	Yes	Ni-MH	1-4 AA / 1-4 AAA	External

GENERAL PURPOSE

RECHARGEABLE

PROFESSIONAL

BUTTON CELLS

FLASHLIGHTS

DISPLAY SYSTEMS

HOME STATION



Home Station 57900



Home Station



8 Adapters

This unique universal home charging station is able to charge up to 4 mobile devices plus 2 x AA / AAA rechargeable batteries simultaneously.

- 90° freely rotatable adapters
- Equipped with an additional USB output
- Compatible with main mobile devices in the market
- Removable tray for adapters which are not in use
- Energy saving through on/off switch
- Worldwide use possible (100-240V)



Adapters are compatible with:
Samsung, Sony Ericsson, Nokia, LG, Micro USB, Mini USB, Sony PSP, Apple

Mobile devices:
Connect the Home Station with the wall socket and use the right adapter for charging your mobile device. Additionally you can use the USB port to charge your mobile device.

Rechargeable batteries:
Simultaneously the Home Station is able to charge 2 x AA / AAA rechargeable batteries in the designated box. Two blue LEDs indicate the charging process.

Type	Voltage (V)	Plug	Width (mm)	Height (mm)	Depth (mm)	Weight (g)	Order No./ consumer unit	EAN / GTIN (40 08496 ...)	Quantity for customer	Smallest shipping unit	Mastercarton	Charging time (rechargeable batteries)	Charging time (external devices)	Cut off criteria	Trickle charge	Technology	Chargeable Devices/sizes	Power supply
Home Station Charger 57900 101 111	110 - 240V	EURO plus 8 adapter	190	255	105	856	57900 101 111	...67505 0	1	2	2	10-15h	1-2h	Timer	-	Ni-MH Li-Ion	Mobile devices 2AA / 2AAA	External

LCD DIGITAL BATTERY TESTER



LCD Digital Battery Tester 891



- Practical and user-friendly battery tester
- Checks all most important battery sizes of primary, rechargeables and button cells
- Results are readable on LCD display
- Power supply via 2 button cells (LR44)

Type	Equipped with	Width (mm)	Height (mm)	Depth (mm)	Weight (g)	Order No./ consumer unit	EAN / GTIN (40 08496)	Consumer unit	Min- pieces/shipment unit	Masterkarton
LCD Digital Battery Tester	2x V13GA	80	195	25	68	00891 101 401	... 68064 1	1	8	8

GENERAL PURPOSE

RECHARGEABLE

PROFESSIONAL

BUTTON CELLS

FLASHLIGHTS

DISPLAY SYSTEMS

PRODUCT FEATURES | CHARGERS



PRODUCT FEATURES | CHARGERS



	MINI	POCKET	PLUG	UNIVERSAL
VARTA Type	57666	57662	57667	57668
Plug Charger	•	•	•	•
Charging time accus	15h	7h	5h	5h
Charging time devices				
LED (indication of charging status)	•	•	•	•
Battery size	AA, AAA	AA, AAA	AA, AAA	AA, AAA, C, D, 9V
Charging channels	2	4	4	4
Timer cut-off		Timer	Timer	Timer
Charging	Pairwise	Pairwise	Pairwise	Pairwise
Trickle charging				
Voltage	EU (230V)	EU (230V)	Global (100-240V)	Global (100-240V)
Bad cell / Alkaline / Wrong polarity detection				
USB - In & Out				
Accessories				
Details	P. 22	P. 22	P. 23	P. 23



	LCD-PLUG	LCD	15 MIN. ULTRA FAST	USB CHARGER	HOME STATION
VARTA Type	57670	57070	57075	57048	57900
Plug Charger	•				
Charging time accus	4h	2h	15 min.	1.5h	10-15h
Charging time devices					1-2h
LED (indication of charging status)	Display	Display	•	•	•
Battery size	AA, AAA	AA, AAA	AA, AAA	AA, AAA	AA, AAA
Charging channels	4	4	4	4	2
Timer cut-off	Timer & -dV & control of temperature	Timer & -dV & control of temperature	Timer & -dV & control of temperature	Timer & -dV & control of temperature	Timer
Charging	Pairwise	Pairwise	Single slot	Single slot	Single slot
Trickle charging		•	•	•	
Voltage	Global (100-240V)	Global (100-240V)	Global (100-240V)	Global (100-240V)	Global (100-240V)
Bad cell / Alkaline / Wrong polarity detection	•	•	•	•	
USB - In & Out		USB - In		USB - In & Out	USB Out
Accessories		(5V) USB & 12V adapter	12V adapter	(5V) USB-cable	8 adapter & Storage for adapters
Details	P. 24	P. 24	P. 24	P. 25	P. 26

GENERAL PURPOSE

RECHARGEABLE

PROFESSIONAL

BUTTON CELLS

FLASHLIGHTS

DISPLAY SYSTEMS



PORTABLE POWER

The high-end solution for the mobile generation.

The **new generations** are more and more people „on the go“: business professionals, outdoor enthusiasts and young people always need their mobile devices to be fully charged **in every moment of the day**.

The **bigger energy demand** of the latest generation devices makes it important to always have an „energy backup“ ready to hand.

VARTA's Portable Power keeps smartphones, tablets, MP3, GPS and other key devices powered - **anywhere and anytime**. Pocket-sized and easily portable, the **VARTA Portable Powerpacks** come pre-charged and Ready To Use right out of the package and ensure a worldwide use.

The **VARTA Portable Power** range comes in the modern, professional and high-quality black colour*, to ensure the maximum appeal at the shelf.

VARTA Portable Power – the power to stay always connected.

*Source: Voted best colour by Independent European Market Research Study, 2012, n=900.



PORTABLE POWER



Portable Powerpack



Portable Powerpack Set
(incl. Plug 57057 + set of adapter 57058)
57058



Portable Powerpack
(incl. adapter set)
57054

- The perfect mobile solution: Charge your mobile phone, GPS (Sat Nav) or MP3-Player anywhere and anytime
- Powerful: With a charged Portable Powerpack 1800 mAh you can recharge your mobile phone (cell) twice or your MP3-Player up to 10 times
- Reliable: The check button activates the power indicator which indicates the battery status
- Fast: Due to Li-Ion technology the charge time for each device is only 1-2 hours
- Flexible: With both USB-In & USB-Out functionality and a wide range of adapters this product provides power for nearly 100% of products on the market



Connect the VARTA Plug (incl. in the packaging) with the wall socket or alternatively connect the Portable Powerpack directly into the USB outlet of a PC or laptop to charge it.



Connect the USB extension-cord with the USB-Out port of the Portable Powerpack and use the right adapter for charging your mobile device. As soon as the device is connected the charging process begins.



Some devices like MP3-Players need a special adapter to simulate a data communication on the USB port. This is included in the package.

Type	Voltage (V)	Connector	Equipped with	Width (mm)	Height (mm)	Depth (mm)	Weight (g)	Order No./ consumer unit	EAN / GTIN (40 08496 ...)	Quantity for customer	Smallest shipping unit	Mastercarton	Charging time	Charging time (external devices)	Cut off criteria	Trickle charge	Technology	Chargeable devices	Power supply
Portable Powerpack Set 57058	100 - 240V	EURO plus 8 adapter	USB cable	150	230	65	389	57058 101 111 ...66192 3	1 2 2	2	2	3-5h	1-2h	-	-	-	Li-Ion	mobile devices	External
Portable Powerpack 57054	5V	3 adapter	USB cable	100	230	33	106	57054 101 401 ...77215 5	1 4	4	4	3-5h	1-2h	-	-	-	Li-Ion	mobile devices	External

GENERAL PURPOSE

RECHARGEABLE

PROFESSIONAL

BUTTON CELLS

FLASHLIGHTS

DISPLAY SYSTEMS

PORTABLE POWER



USB Charger Plug Set
(incl. adapter set)
57057



USB Charger Car Set
(incl. adapter set)
57930



- USB Charger Plug Set: Universal USB adapter garnished with the three most important tips
- Connected to the wall socket, the USB Charger Plug Set charges your devices in 1-2 hours

- USB Charger Car Set: 12 Volt USB adapter garnished with the three most important adapters is a smart solution to most customer needs
- Connected to the car plug, the USB Charger Car Set fully charges your devices in 2-3 hours



Connect the VARTA Plug (incl. in the packaging) with the wall socket or alternatively connect the Portable Power Pack directly into the USB outlet of a PC or laptop to charge it.



The package includes the three most important adapters (Micro USB, Mini-USB, iPhone) to recharge mobile phones, digital cameras and MP3-Players. Choose the right adapter for your mobile device and connect the VARTA USB Car Set to the 12V car plug. It is possible to connect two devices at once. In 1-2 hours your device will be charged.



	POWERPACK SET	POWERPACK	PLUG SET	CAR SET
VARTA Type	57058	57054	57057	57930
Plug Charger			•	
Charging time accus	1-3h	1-3h		
Charging time devices	1-2h	1-2h	1-2h	2-3h
LED (indication of charging status)	•	•	•	•
Voltage	Global (100-240V)	USB (5V)	Global (100-240V)	USB (5V)
USB - In & Out	USB - In & Out	USB - In & Out	USB Out	USB - In & Out
Accessories	8 adapter & Storage for adapters	3 adapter & (5V) USB	3 adapter & (5V) USB	3 adapter & (5V) USB
Details	P. 31	P. 31	P. 32	P. 32

Type	Voltage (V)	Connector	Equipped with	Width (mm)	Height (mm)	Depth (mm)	Weight (g)	Order No./ consumer unit	EAN / GTIN (40 08496 ...)	Quantity for customer	Smallest shipping unit	Mastercarton	Charging time	Charging time (external devices)	Cut off criteria	Trickle charge	Technology	Chargeable devices	Power supply
USB Charger Plug Set 57057	100 - 240V	EURO plus 3 adapter	USB cable	100	230	68	125	57057 201 401 ...	68055 9	1	4	4	-	1-2h	-	-	100-240V AC SMPS	mobile devices	5V / 1A
USB Charger Car Set 57915	12V	3 adapter	USB cable	100	230	33	83	57930 101 401 ...	77275 9	1	4	4	-	1-2h	-	-	-	mobile devices	5V

GENERAL PURPOSE

RECHARGEABLE

PROFESSIONAL

BUTTON CELLS

FLASHLIGHTS

DISPLAY SYSTEMS



PROFESSIONAL

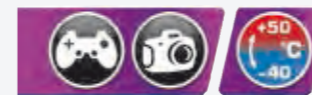
A premium assortment with amazing depth and performance.

In this **Premium Range**, VARTA brings together all powerful energy solutions that are used in digital and mobile high-tech applications. **VARTA Professional Range** offers paramount solutions that are suited to meet highest quality and performance demands in the areas of modern life: digital telephony, medical applications and digital office communications, as well as high tech personal devices are supplied here with maximum power and endurance.

No matter whether Consumers are looking for an energy source for their valuable clock, their dictation device or their digital camera: **VARTA Professional is the answer.**



PROFESSIONAL LITHIUM | CELLS BLISTER



6103 6106 6103 6103 6106 6106 6122

- Perfect solution for high drain devices such as digital cameras, portable audio players and handheld games
- Lasts up to 8 times longer in digital cameras than usual alkaline
- Up to 38% reduced weight in comparison to alkaline: perfect for sport and outdoor usages
- Works outstandingly at extreme temperatures from -40° up to +50°C
- Can be stored up to 10 years without leakage
- The VARTA 9V lithium battery contains no mercury, lead or cadmium
- Last up to 5 times longer than usual 9V alkaline and 10 times longer than carbon-zinc batteries**
- The first choice for smoke alarms

Type	Voltage (V)	Electrochemical system	Typical capacity (mAh)	Width (mm)	Height/Depth (mm)	Depth (mm)	Diameter (mm)	Weight (g)	IEC	Others
6103	1.5	Lithium	1100	-	44.5	-	10.5	7.7	-	AAA, Micro
6106	1.5	Lithium	2900	-	50.5	-	14.5	14.5	-	AA, Mignon
6122*	9	Lithium	1200	26.5	49.2	17.5	-	36.4	-	9V, E-Block

Type	Batteries/consumer unit	Width (mm)	Height (mm)	Depth (mm)	Weight (g)	Order No./consumer unit	EAN/GTIN/consumer unit	Minimum pieces/shipment unit	Innercarton	Mastercarton
6103	2	80	120	12	20	06103 301 402	40 08496 68039 9	10	10	50
6103	4	80	120	12	35	06103 301 404	40 08496 68043 6	10	10	50
6106	2	80	120	16	33	06106 301 402	40 08496 68047 4	10	10	100
6106	4	80	120	16	62	06106 301 404	40 08496 68051 1	10	10	100
6122*	1	80	120	19	41	06122 301 401	40 08496 67526 5	10	10	50

* UL certified. Underwrites Laboratories www.ul.com
 ** Results may vary by device

GENERAL PURPOSE

RECHARGEABLE

PROFESSIONAL

BUTTON CELLS

FLASHLIGHTS

DISPLAY SYSTEMS

PROFESSIONAL LITHIUM | BLISTER



2 CR 5 CR P2 CR 123 A CR 2 CR V3

- Precise energy for analog and digital cameras: VARTA Professional Lithium Batteries
- Precise energy, perfectly aligned to the different functions of the photo devices
- Higher performance for more photos, more flashes, more mobility and therefore more independence

Type	Voltage (V)	Electrochemical system	Typical capacity (mAh)	Width (mm)	Height (mm)	Depth (mm)	Diameter (mm)	Weight (g)/w	IEC	Others
2 CR 5	6.0	Lithium	1600	17.0	45.0	34.0	-	42.0	2 CR 5	-
CR P2	6.0	Lithium	1600	19.5	34.5	35.0	-	38.0	CR P2	-
CR 123 A	3.0	Lithium	1480	-	34.5	-	17.0	17.0	CR 17345	-
CR 2	3.0	Lithium	920	-	27.0	-	15.6	11.0	CR 15 H270	-
CR V3	3.0	Lithium	3300	14.5	52.0	29.0	-	38.0	CR 17355	-

Type	Batteries/ consumer unit	Width (mm)	Height (mm)	Depth (mm)	Weight (g)	Order No./ consumer unit	EAN / GTIN	Minimum pieces/ shipment unit	Innercarton	Mastercarton
2CR 5	1	80	120	18	48	06203 301 401	40 08496 53720 4	10	10	100
CR P2	1	80	120	20	44	06204 301 401	40 08496 53724 2	10	10	100
CR 123 A	1	80	120	18	23	06205 301 401	40 08496 53728 0	10	10	100
CR 123 A	2	80	120	18	40	06205 301 402	40 08496 53732 7	10	10	100
CR 2	1	80	120	18	17	06206 301 401	40 08496 53736 5	10	10	100
CR 2	2	80	120	18	28	06206 301 402	40 08496 53740 2	10	10	100
CR V3	1	80	120	16	44	06207 301 401	40 08496 53744 0	10	10	100

PROFESSIONAL ELECTRONICS | BLISTER



4001 V23GA CR2032 CR2025 CR2016

- The most important button cells available in the practical 2 pack
- Especially designed for mass retail
- More value for money: Twice the amount in each package
- Larger package frightens shoplifters
- New package size and design fit perfect into the battery shelf layout

Type	Voltage (V)	Electrochemical system	Typical capacity (mAh)	Width (mm)	Height (mm)	Depth (mm)	Diameter (mm)	Weight (g)/w	IEC	Others
N	1.5	Alkaline	880	-	30.2	-	12	10	LR 1	-
V23 GA	12.0	Alkaline	52	-	28.5	-	10.3	7.7	-	-
V13 GA	1.5	Alkaline	125	-	5.4	-	11.6	1.8	LR 44	-
CR 2032*	3.0	Lithium	230	-	3.2	-	20.0	3.0	CR 2032	-
CR 2025*	3.0	Lithium	170	-	2.5	-	20.0	2.5	CR 2025	-
CR 2016*	3.0	Lithium	90	-	1.6	-	20.0	1.8	CR 2016	-
CR 2430*	3.0	Lithium	280	-	3.0	-	24.5	4.0	CR 2430	-
CR 2450*	3.0	Lithium	560	-	5.0	-	24.5	6.2	CR 2450	-

Type	Batteries/ consumer unit	Width (mm)	Height (mm)	Depth (mm)	Weight (g)	Order No./ consumer unit	EAN / GTIN	Minimum pieces/ shipment unit	Innercarton	Mastercarton
N	2	80	120	12	25	04001 101 402	40 08496 74727 6	10	10	100
V23 GA	2	80	120	12	20	04223 101 402	40 08496 74731 3	10	10	100
V13 GA	2	80	120	7	9	04276 101 402	40 08496 74634 7	10	10	100
CR 2032*	2	80	120	7	11	06032 101 402	40 08496 74646 0	10	10	100
CR 2025*	2	80	120	7	10	06025 101 402	40 08496 74642 2	10	10	100
CR 2016*	2	80	120	7	9	06016 101 402	40 08496 74638 5	10	10	100
CR 2430*	2	80	120	7	13	06430 101 402	40 08496 74719 1	10	10	100
CR 2450*	2	80	120	7	17	06450 101 402	40 08496 74723 8	10	10	100

* UL certified. Underwrites Laboratories www.ul.com

GENERAL PURPOSE

RECHARGEABLE

PROFESSIONAL

BUTTON CELLS

FLASHLIGHTS

DISPLAY SYSTEMS

PROFESSIONAL ELECTRONICS



- One of the most complete electronics ranges on the market
- Lithium, silver and alkaline-manganese cells range
- Ideal in many electronic devices, such as car keys, calculators, cameras and remote controls
- Handy and space-saving packages (6.5cm x 5.6cm)

- The complete range, consisting of lithium, silver and alkaline-manganese cells
- Useable in numerous electronic devices, such as car keys, calculators, cameras and remote controls
- Handy and space-saving packages (6.5cm x 5.6cm)

Type	Voltage (V)	Electrochemical system	Typical capacity (mAh)	Height (mm)	Diameter (mm)	Weight (g)	Batteries/consumer unit	Order-No./Consumer unit	EAN / GTIN	Minimum pieces/shipment unit	Mastercarton	IEC
CR 1216*	3.0	Lithium	25	1.6	12.5	0.7	1	06216 101 401	40 08496 27070 5	10	100	CR 1216
CR 1220*	3.0	Lithium	35	2.0	12.5	0.8	1	06220 101 401	40 08496 27689 9	10	100	CR 1220
CR 1225*	3.0	Lithium	48	2.5	12.5	0.9	1	06225 101 401	40 08496 74704 7	10	100	CR 1225
CR 1616*	3.0	Lithium	55	1.6	16.0	1.2	1	06616 101 401	40 08496 27098 9	10	100	CR 1616
CR 1620*	3.0	Lithium	70	2.0	16.0	1.2	1	06620 101 401	40 08496 27693 6	10	100	CR 1620
CR 1632*	3.0	Lithium	140	3.2	16.0	1.8	1	06632 101 401	40 08496 57623 4	10	100	CR 1632
CR 2016*	3.0	Lithium	90	1.6	20.0	1.8	1	06016 101 401	40 08496 27663 9	10	100	CR 2016
CR 2025*	3.0	Lithium	170	2.5	20.0	2.5	1	06025 101 401	40 08496 27687 5	10	100	CR 2025
CR 2032*	3.0	Lithium	230	3.2	20.0	3.0	1	06032 101 401	40 08496 27688 2	10	100	CR 2032
CR 2320*	3.0	Lithium	135	2.0	23.0	2.9	1	06320 101 401	40 08496 27083 5	10	100	CR 2320
CR 2430*	3.0	Lithium	280	3.0	24.5	4.0	1	06430 101 401	40 08496 27692 9	10	100	CR 2430
CR 2450*	3.0	Lithium	560	5.0	24.5	6.2	1	06450 101 401	40 08496 27097 2	10	100	CR 2450
CR 2 NP**	3.0	Lithium	1400	60	11.6	13.0	1	06202 101 401	40 08496 26293 9	10	100	-
CR 1/3 N*	3.0	Lithium	170	10.8	11.6	3.0	1	06131 101 401	40 08496 27414 7	10	100	-
V 28 PXL*	6.0	Lithium	170	25.1	13.0	8.8	1	06231 101 401	40 08496 27415 4	10	100	2 CR 11108
V 8 GS/391	1.55	Silver	40	2.1	11.6	0.9	1	04173 101 401	40 08496 27360 7	10	100	SR 55
V 10 GA	1.5	Alkaline	50	3.05	11.6	1.1	1	04274 101 401	40 08496 29763 4	10	100	LR 54
V 10 GS/389	1.55	Silver	85	3.05	11.6	1.3	1	04174 101 401	40 08496 27361 4	10	100	SR 54
V 11A	6.0	Alkaline	38	16.5	10.2	4.0	1	04211 101 401	40 08496 15286 5	10	100	-
V 12 GA	1.5	Alkaline	80	4.2	11.6	1.35	1	04278 101 401	40 08496 27367 6	10	100	LR 43
V 12 GS/386	1.55	Silver	105	4.2	11.6	1.78	1	04178 101 401	40 08496 27363 8	10	100	SR 43
V 13 GA	1.5	Alkaline	125	5.4	11.6	1.8	1	04276 101 401	40 08496 29764 1	10	100	LR 44
V 13 GS/357	1.55	Silver	155	5.4	11.6	2.33	1	04176 101 401	40 08496 27362 1	10	100	SR 44
V 23 GA	12.0	Alkaline	52	28.5	10.3	7.7	1	04223 101 401	40 08496 26162 8	10	100	-
V 27 A	12.0	Alkaline	20	28.2	8.0	4.4	1	04227 101 401	40 08496 74700 9	10	100	-
V 28 PX	6.2	Silver	145	25.2	13.0	11.1	1	04028 101 401	40 08496 27391 1	10	100	4 SR 44
V 74 PX	15.0	Alkaline	45	35.0	16.0	14.0	1	04074 101 401	40 08496 27359 1	10	100	-
V 76 PX	1.55	Silver	145	5.4	11.6	2.4	1	04075 101 401	40 08496 27406 2	10	100	SR 44
V 625 U	1.5	Alkaline	200	6.2	16	3.3	1	04626 101 401	40 08496 27368 3	10	100	LR 9
V 4034	6.0	Alkaline	100	25.2	13.0	10.4	1	04034 101 401	40 08496 27405 5	10	100	4 LR 44
4001	1.5	Alkaline	880	30.2	12	10	1	04001 101 401	40 08496 12813 6	10	100	LR 1

Type	Voltage (V)	Electrochemical system	Typical capacity (mAh)	Height (mm)	Diameter (mm)	Weight (g)	Batteries/consumer unit	Order-No./Consumer unit	EAN / GTIN	Minimum pieces/shipment unit	Mastercarton	IEC
V 317	1.55	Silver	12	1.6	5.8	0.18	1	00317 101 401	40 08496 33655 5	10	100	SR 62
V 319	1.55	Silver	16	2.66	5.8	0.25	1	00319 101 401	40 08496 33659 3	10	100	SR 64
V 321	1.55	Silver	13	1.65	6.8	0.25	1	00321 101 401	40 08496 33663 0	10	100	SR 65
V 329	1.55	Silver	36	3.10	7.9	0.6	1	00329 101 401	40 08496 66020 9	10	100	-
V 362	1.55	Silver	21	2.1	7.9	0.4	1	00362 101 401	40 08496 31701 1	10	100	SR 58
V 364	1.55	Silver	20	2.15	6.8	0.33	1	00364 101 401	40 08496 31705 9	10	100	SR 60
V 371	1.55	Silver	44	2.1	9.5	0.61	1	00371 101 401	40 08496 31709 7	10	100	SR 69
V 377	1.55	Silver	27	2.6	6.8	0.39	1	00377 101 401	40 08496 31713 4	10	100	SR 66
V 379	1.55	Silver	14	2.15	5.8	0.23	1	00379 101 401	40 08496 31717 2	10	100	SR 63
V 384	1.55	Silver	38	3.6	7.9	0.69	1	00384 101 401	40 08496 66024 7	10	100	SR 41
V 390	1.55	Silver	80	3.05	11.6	1.32	1	00390 101 401	40 08496 31721 9	10	100	SR 54
V 392	1.55	Silver	38	3.6	7.9	0.69	1	00392 101 401	40 08496 31725 7	10	100	SR 41
V 393	1.55	Silver	65	5.4	7.9	1.08	1	00393 101 401	40 08496 67934 8	10	100	SR 48
V 394	1.55	Silver	67	3.6	9.5	1.04	1	00394 101 401	40 08496 33646 3	10	100	SR 45
V 395	1.55	Silver	42	2.7	9.5	0.75	1	00395 101 401	40 08496 31729 5	10	100	SR 57
V 396	1.55	Silver	25	2.6	7.9	6.55	1	00394 101 401	40 08496 33646 3	10	100	SR 45
V 396	1.55	Silver	25	2.6	7.9	0.55	1	00396 101 401	40 08496 74630 9	10	100	SR 59
V 397	1.55	Silver	30	2.6	7.9	0.5	1	00397 101 401	40 08496 66035 3	10	100	SR 59

* UL certified. Underwrites Laboratories www.ul.com
 ° Big Blister

GENERAL PURPOSE

RECHARGEABLE

PROFESSIONAL

BUTTON CELLS

FLASHLIGHTS

DISPLAY SYSTEMS



BUTTON CELLS

An excellent quality assortment.

VARTA convinces in this special segment with an excellent quality assortment.

Essential for all who work with watches: the complete VARTA Watch Cells Range. A patented technology with high endurance performance and wide distribution on the market.

Rayovac, the No.1 selling Hearing Aid Battery in the world,* dominates with an excellent brand awareness.

The patented technology, the high endurance performance and consumer friendly packaging results in high acceptance among Consumers and Professionals.*

New: mercury-free and corrosion resistant shell for more performance and improved conductivity.

*Source: Rayovac MicroPower Batteries. Spectrum Brands (UK) Ltd., 2012



WATCH CELLS



- Covers the complete range of button cells for all kinds of watches
- Products distinguished by high quality and reliability
- Packed in the proven j-pack; optimised for the battery replacement in workshops

Type	Voltage (V)	Electrochemical system	Typical capacity (mAh)	Height (mm)	Diameter (mm)	Weight (g)	Order No. Consumer unit	EAN/GTIN Consumer unit	Minimum pieces/shipment unit	Inner carton	Mastercarton	IEC
V 301	1.55	Silver	115	4.2	11.6	1.78	00301 101 111	40 08496 24536 9	10	100	1000	SR 43
V 303	1.55	Silver	160	5.4	11.6	2.33	00303 101 111	40 08496 24542 0	10	100	1000	SR 44
V 309	1.55	Silver	70	5.4	7.9	1.08	00309 101 111	40 08496 24545 1	10	100	1000	SR 48
V 315	1.55	Silver	20	1.5	7.9	0.4	00315 101 111	40 08496 24555 0	10	100	1000	SR 67
V 317	1.55	Silver	8	1.6	5.8	0.18	00317 101 111	40 08496 24561 1	10	100	1000	SR 62
V 319	1.55	Silver	16	2.66	5.8	0.25	00319 101 111	40 08496 24562 8	10	100	1000	SR 64
V 321	1.55	Silver	13	1.65	6.8	0.25	00321 101 111	40 08496 24585 7	10	100	1000	SR 65
V 329	1.55	Silver	36	3.1	7.9	0.6	00329 101 111	40 08496 24586 4	10	100	1000	-
V 335	1.55	Silver	5	1.25	5.8	0.15	00335 101 111	40 08496 10146 7	10	100	1000	-
V 337	1.55	Silver	8.3	1.65	4.8	0.13	00337 101 111	40 08496 36211 0	10	100	1000	-
V 339	1.55	Silver	11	1.4	6.8	0.22	00339 101 111	40 08496 24587 1	10	100	1000	-
V 341	1.55	Silver	11	1.4	7.9	0.27	00341 101 111	40 08496 24588 8	10	100	1000	-
V 344	1.55	Silver	100	3.6	11.6	1.50	00344 101 111	40 08496 24590 1	10	100	1000	SR 42
V 346	1.55	Silver	10	1.29	7.9	0.3	00346 101 111	40 08496 10148 1	10	100	1000	-
V 350*	1.55	Silver	100	3.6	11.6	1.50	00350 101 111	40 08496 24569 7	10	100	1000	SR 42
V 357*	1.55	Silver	145	5.4	11.6	2.33	00357 101 111	40 08496 24571 0	10	100	1000	SR 44
V 361*	1.55	Silver	18	2.1	7.9	0.4	00361 101 111	40 08496 26169 7	10	100	1000	SR 58
V 362	1.55	Silver	21	2.1	7.9	0.4	00362 101 111	40 08496 24572 7	10	100	1000	SR 58
V 364	1.55	Silver	20	2.15	6.8	0.33	00364 101 111	40 08496 24573 4	10	100	1000	SR 60
V 370*	1.55	Silver	30	2.1	9.5	0.6	00370 101 111	40 08496 26171 0	10	100	1000	SR 69
V 371	1.55	Silver	44	2.1	9.5	0.61	00371 101 111	40 08496 24591 8	10	100	1000	SR 69
V 373	1.55	Silver	23	1.6	9.5	0.5	00373 101 111	40 08496 24592 5	10	100	1000	SR 68
V 377	1.55	Silver	27	2.6	6.8	0.39	00377 101 111	40 08496 24593 2	10	100	1000	SR 66
V 379	1.55	Silver	14	2.15	5.8	0.23	00379 101 111	40 08496 24594 9	10	100	1000	SR 63
V 381	1.55	Silver	45	2.1	11.6	0.9	00381 101 111	40 08496 24595 6	10	100	1000	SR 55
V 384	1.55	Silver	38	3.6	7.9	0.69	00384 101 111	40 08496 24564 2	10	100	1000	SR 41
V 386*	1.55	Silver	115	4.2	11.6	1.78	00386 101 111	40 08496 24565 9	10	100	1000	SR 43
V 389*	1.55	Silver	85	3.05	11.6	1.31	00389 101 111	40 08496 24567 3	10	100	1000	SR 54
V 390	1.55	Silver	80	3.05	11.6	1.32	00390 101 111	40 08496 24568 0	10	100	1000	SR 54
V 391*	1.55	Silver	40	2.1	11.6	0.9	00391 101 111	40 08496 24578 9	10	100	1000	SR 55
V 392*	1.55	Silver	38	3.6	7.9	0.69	00392 101 111	40 08496 24579 6	10	100	1000	SR 41
V 393*	1.55	Silver	65	5.4	7.9	1.08	00393 101 111	40 08496 24581 9	10	100	1000	SR 48
V 394	1.55	Silver	67	3.6	9.5	1.04	00394 101 111	40 08496 24582 6	10	100	1000	SR 45
V 395	1.55	Silver	42	2.7	9.5	0.75	00395 101 111	40 08496 24583 3	10	100	1000	SR 57
V 396*	1.55	Silver	25	2.6	7.9	0.55	00396 101 111	40 08496 24574 1	10	100	1000	SR 59
V 397	1.55	Silver	30	2.6	7.9	0.5	00397 101 111	40 08496 24575 5	10	100	1000	SR 59
V 399*	1.55	Silver	42	2.7	9.5	0.75	00399 101 111	40 08496 24577 2	10	100	1000	SR 57

* HighDrain

GENERAL PURPOSE

RECHARGEABLE

PROFESSIONAL

BUTTON CELLS

FLASHLIGHTS

DISPLAY SYSTEMS

HEARING AID BATTERIES



- Mercury free and corrosion resistant housing for more power and better conduction
- Patented technology from the worldwide number one producer of hearing aid batteries
- Double blister ideal for mass retail

Type	Voltage (V)	Electrochemical system	Height (mm)	Diameter (mm)	Weight (g)	Batteries/consumer unit	Order No.	EAN / GTIN	Consumer unit	Minimum pieces/shipment unit	Masterkarton	IEC
10	1.4	Zinc-Air	3.5	5.8	0.30	8	04610 745 418	50 00252 00380 9	1	10	100	PR 70
13	1.4	Zinc-Air	5.35	7.8	0.80	8	04606 745 418	50 00252 00378 6	1	10	100	PR 48
312	1.4	Zinc-Air	3.45	7.8	0.50	8	04607 745 418	50 00252 00379 3	1	10	100	PR 41
675	1.4	Zinc-Air	5.35	11.6	1.80	8	04600 745 418	50 00252 00377 9	1	10	100	PR 44
ONLY FOR MASS RETAIL												

10	1.4	Zinc-Air	3.5	5.8	0.30	6	04610 945 416	50 00252 00321 2	1	10	100	PR 70
13	1.4	Zinc-Air	5.35	7.8	0.80	6	04606 945 416	50 00252 00319 9	1	10	100	PR 48
312	1.4	Zinc-Air	3.45	7.8	0.50	6	04607 945 416	50 00252 00320 5	1	10	100	PR 41
675	1.4	Zinc-Air	5.35	11.6	1.80	6	04600 945 416	50 00252 00318 2	1	10	100	PR 44

Attention: The necessary operating voltage will be reached one minute after removing the lamination

Type	Width (mm)	Height (mm)	Depth (mm)	Weight (g)	Batteries/consumer unit	Order No.	EAN / GTIN	Consumer unit	Minimum pieces/shipment unit	Masterkarton
Rayovac 5 in 1 Hearing Aid Cleaner	115	203	54	26	1	00895 945 401	40 08496 61500 1	1	4	24

- Convenient, fast, effective maintenance
- Ergonomic, easy to use design incorporate 5 tools in one comfortable, easy to hold handle
- Pocket sized device works with all hearing aids
- Comprises five tools including a removal brush, removal pick, tube and vent cleaner, battery door opener and battery replacement magnet



HEARING AID BATTERIES DISPLAYS



- Garnished displays for quick and easy visibility instore
- Additional POS-tools can be asked at your local contact: Stopper Consumer, leaflet, header, wobblers, door sticker

Typ	Order No./consumer unit	EAN / GTIN	Total Blister	Width (mm) Display	Height (mm) Display	Depth (mm) Display	Weight (g)	Width (mm) Masterkarton	Height (mm) Masterkarton	Depth (mm) Masterkarton
Metal Side Rail	99021 945 801	40 08496 73506 8	40	9.5	59	10	28	10	12	60
Counter Display	99021 945 010	40 08496 73508 2	40	24	29.5	16	52	25	25	34.5
10		50 00252 00380 9	10							
13		50 00252 00378 6	10							
312		50 00252 00379 3	10							
675		50 00252 00377 9	10							
ONLY FOR MASS RETAIL										

Typ	Order No./consumer unit	EAN / GTIN	Total Blister	Width (mm) Display	Height (mm) Display	Depth (mm) Display	Weight (g)	Width (mm) Masterkarton	Height (mm) Masterkarton	Depth (mm) Masterkarton
Counter Display	99021 945 009	40 08496 66395 8	26	24	29	16	64	25	35	10
10	04610 945 416	40 08496 66834 2	6							
13	04606 945 416	40 08496 66819 9	10							
312	04607 945 416	40 08496 66829 8	6							
675	04600 945 416	40 08496 66824 3	4							

GENERAL PURPOSE

RECHARGEABLE

PROFESSIONAL

BUTTON CELLS

FLASHLIGHTS

DISPLAY SYSTEMS



FLASHLIGHTS AND BULBS

High performance LED

Multi 5mm or high performance LED

5mm LED or bulb

Consequent orientation to consumer needs and retail requirements is a **VARTA** tradition.

As consumers are looking for clear orientation the **VARTA** flashlight strategy includes five success factors.

- 1) Structuring the range into three segments to simplify the category: Easy Line, Power Line and Professional Line
- 2) Clear-cut information structure with comparable and differentiating icons
- 3) Focusing on high sellers with quality (features) / price as main buying criteria to make the purchase decision easier
- 4) Eye-catching, innovative V-shape design: Blister packaging that impressively conveys the quality brand **VARTA**
- 5) Focusing on sustainability via FSC certified cardboard material and through reduction of PET

VARTA makes mobile lighting understandable, for everyone. Order the simplification of the flashlight market. Order VARTA flashlights.

VARTA LED SPOT LIGHT 2AA | VARTA MINI DAY LIGHT LED 1AAA | VARTA INDUSTRIAL LED LIGHT 2D



LED Spot Light 2AA
16600



Mini Day Light LED 1AAA
16601



Industrial LED Light 2D
16604

VARTA LED Spot Light 2AA:

- White 5mm LED with a magnifying lens
- Handy general purpose light made of durable ABS plastic
- With roll stop and hanging ring

25m*
45h
10 lumens
5mm L.E.D.

VARTA LED Industrial Light 2D:

- Water repellent high performance flashlight
- Resistant to fluids such as oil, petrol and diesel oil
- Focusable light beam in 3 levels
- Non-slip rubber grip and hanging ring

52m*
160h
25 lumens
0.5 WATT L.E.D.

VARTA Mini Day Light LED 1AAA:

- White 5mm LED for a better light output
- Shock resistant ABS plastic housing
- Incl. key ring

18m*
3.5h
9 lumens
5mm L.E.D.

Type	Flashlights	Width (mm) Blister	Height (mm) Blister	Depth (mm) Blister	Weight (g) Blister	Length (mm) Torch	Diameter (mm) Torch	Weight (g) Torch	Batteries	Order No./ Consumer unit	EAN/GTIN Consumer unit	Minimum pieces/ shipment unit	Housing	Bulb equipment
LED Spot Light 2AA	1	100	230	39	62	153	37	42	-	16600 101 401	40 08496 67732 0	6	ABS plastic	1x 5mm LED
Mini Day LED Light 1AAA	1	100	230	33	70	94.5	32	39	incl. 1x LR03 High Energy	16601 101 421	40 08496 67798 6	6	Platic, Metal, Rubber	1x 5mm LED
Industrial LED Light 2D	1	150	330	72	247	204	68	193	-	16604 101 401	40 08496 67786 3	4	Plastic, Rubber	0.5 Watt Plug-in LED

*ANSI FL1 Standard

PROFESSIONAL LINE

POWER LINE

EASY LINE

GENERAL PURPOSE

RECHARGEABLE

PROFESSIONAL

BUTTON CELLS

FLASHLIGHTS

DISPLAY SYSTEMS

VARTA LED DAY LIGHT 2AA | VARTA LED PEN LIGHT 1AAA | VARTA LED LIPSTICK LIGHT 1AA | VARTA LED BOOK LIGHT 2CR2032



PROFESSIONAL LINE
POWER LINE
EASY LINE

VARTA TRILOGY LED LIGHT 3AAA | VARTA GELLY LED LIGHT 2AA | VARTA PROFI LIGHT 2C



PROFESSIONAL LINE
POWER LINE
EASY LINE

VARTA LED Day Light 2AA:

- 3x 5mm LEDs for a better light output
- Rugged three-component flashlight made of aluminium, ABS plastic and rubber
- Impact resistant housing for increased outdoor reliability
- Practical lanyard

42m* 65h 25 lumens 3x 5mm L.E.D. 0.25 lux

VARTA LED Lipstick Light 1AA:

- Elegant and handy LED flashlight with an aluminium body and a riffled rubber grip
- 0.5 Watt high performance LED for high light output
- Lanyard and glow-in-dark sleeve and button cover offers optimum comfort during use
- Available in two fashionable colours

25m* 3h 19 lumens 0.5 WATT L.E.D. 0.25 lux

VARTA LED Pen Light 1AAA:

- Aluminium housing
- Long battery lifetime due to white 5mm LED
- Practical fastening clip

11m* 15h 3 lumens 5mm L.E.D. 0.25 lux

VARTA LED Book Light 2CR2032:

- The flexible book light for relaxed reading
- Evenly lighting spreading for full page illumination
- 150 mm easy reposition flexible neck

7.5m* 26h 9 lumens 5mm L.E.D. 0.25 lux

VARTA Trilogy LED Light 3AAA:

- Elegant LED flashlight made of durable plastic
- Ergonomic grip for optimal usage comfort
- Special magnifying lens technology for optimum light beam
- In master carton available with 3x silver/red and 3x silver/blue

52m* 70h 11 lumens 5mm L.E.D. 0.25 lux

VARTA Profi Light 2C:

- Anticorrosion and galvanised metal housing
- Spot-to-flood focusable beam
- Practical hanging ring
- In master carton available with 3x red and 3x blue metallic

36m* 5h 12 lumens Krypton 0.25 lux

VARTA LED Gelly Light 2AA:

- Elegant flashlight with highly innovative gel filled handle
- Adjusts perfectly to individual hand shape
- Master carton available with 2x blue, 2x red, 2x silver

50m* 50h 5 lumens 5mm L.E.D. 0.25 lux

Type	Flashlights	Width (mm) Blister	Height (mm) Blister	Depth (mm) Blister	Weight (g) Blister	Length (mm) Torch	Diameter (mm) Torch	Weight (g) Torch	Batteries	Order No./ Consumer unit	EAN/GTIN Consumer unit	Minimum pieces/ shipment unit	Housing	Bulb equipment
LED Day Light 2AA	1	100	230	46	159	164	44	91.5	incl. 2x LR6 High Energy	16610 101 421	40 08496 67768 9	6	Aluminium, Rubber, ABS plastic	3x 5mm LED
LED Pen Light 1AA	1	100	230	16	47	117	14	16	incl. 1x LR6 High Energy	16611 101 421	40 08496 67804 4	6	Aluminium	1x 5mm LED
LED Lipstick Light 1AAA	1	100	230	21	74	95	21	31	incl. 1x LR6 High Energy	16617 101 421	40 08496 74650 7	6	Aluminium, Rubber	0.5 Watt LED
LED Book Light 2CR2032	1	100	230	33	59	255	28	30	incl. 2x CR2032 Electronics	16618 101 421	40 08496 77259 9	6	ABS plastic PC plastic	1x 5mm LED

*ANSI FL1 Standard

Type	Flashlights	Width (mm) Blister	Height (mm) Blister	Depth (mm) Blister	Weight (g) Blister	Length (mm) Torch	Diameter (mm) Torch	Weight (g) Torch	Batteries	Order No./ Consumer unit	EAN/GTIN Consumer unit	Minimum pieces/ shipment unit	Housing	Bulb equipment
Trilogy LED Light 3AAA	1	100	230	50	137	165	48	78	incl. 3x LR03 High Energy	16615 101 421	40 08496 67670 5	6	Plastic	1x 5mm LED
Gelly LED Light 2AA	1	100	230	48	151	172	45	83	incl. 2x LR6 High Energy	16616 101 421	40 08496 67738 2	6	Plastic gel filled handle	1x 5mm LED
Profi Light 2C	1	135	280	56	120	172	54	78	-	16623 101 401	40 08496 67741 2	6	Metal, Plastic	2.40 V; 0.70 A Krypton (Order No. 00751 000 402)

*ANSI FL1 Standard

GENERAL PURPOSE
RECHARGEABLE
PROFESSIONAL
BUTTON CELLS
FLASHLIGHTS
DISPLAY SYSTEMS

VARTA POCKET LIGHT 3R12 | VARTA PALM LIGHT 3R12 | VARTA LED SILVER LIGHT 3AAA



Pocket Light 3R12
16640



Palm Light 3R12
16645



LED Silver Light 3AAA
16647

PROFESSIONAL LINE

POWER LINE

EASY LINE

VARTA XS CAMPING LANTERN LED 4AA | VARTA LED DAY LIGHT 2D | VARTA SWIVEL LIGHT LED 2AA



XS Camping Lantern LED 4AA
16664



LED Day Light 2D
17611



Swivel Light LED 2AA
17622

PROFESSIONAL LINE

POWER LINE

EASY LINE

VARTA Pocket Light 3R12:

- Plastic flat light
- Additional red light filter (ideal for night vision)
- Practical hanging clip

34m* 3h 18 lumens Bulb
0.25 lux

VARTA Palm Light 3R12:

- Stylish multi-purpose metal flat light
- Practical hanging clip

75m* 3.5h 15 lumens Bulb
0.25 lux

VARTA LED Silver Light 3AAA:

- Compact and handy LED flat light
- Stylish design combined with up-to-date LED technology
- 3x 5mm LEDs with 3 separate magnifying lenses provide an amazingly long light beam for more light output
- Robust silver ABS plastic housing with all purpose black rubber
- Practical hanging clip

41m* 12h 28 lumens 3x5mm L.E.D.
0.25 lux

VARTA XS Camping Lantern LED 4AA:

- Extremely handy and space saving Camping Lantern
- 8x 5mm LEDs for a better areal light output
- Highly efficient use of energy
- Two light modes (100% and energy saving mode)
- The metal handle can also be used to hang up the lantern
- Including a metal carabiner

3.20m* 15h 24 lumens 8x5mm L.E.D.
0.25 lux

VARTA Swivel Light LED 2AA:

- Water repellent high performance flashlight
- Resistant to fluids such as oil, petrol and diesel oil
- Focusable light beam in 3 levels
- Swivel head, non-slip rubber grip and hanging ring

40m* 35h 23 lumens 0.5 WATT L.E.D.
0.25 lux

VARTA LED Day Light 2D:

- 7x 5mm LEDs for a better light output
- Rugged three-component flashlights made of aluminium, ABS plastic and rubber
- Impact resistant housing for increased outdoor reliability
- Practical lanyard

63m* 140h 58 lumens 7x5mm L.E.D.
0.25 lux

Type	Flashlights	Width (mm) Blister	Height (mm) Blister	Depth (mm) Blister	Weight (g) Blister	Length (mm) Torch	Width (mm) Torch	Depth (mm) Torch	Weight (g) Torch	Batteries	Order No./ Consumer unit	EAN / GTIN	Minimum pieces/ shipment unit	Housing	Bulb equipment
Pocket Light 3R12	1	100	230	43	109	124	67	40	89	-	16640 101 401	40 08496 67750 4	6	Plastic	3.70 V; 0.30 A Normal (Order No. 00720 000 402)
Palm Light 3R12	1	100	230	42	105	110	69	37	85	-	16645 101 401	40 08496 67753 5	6	Metal	3.70 V; 0.30 A Normal (Order No. 00720 000 402)
Palm Light 3R12	1	100	230	42	213	110	69	37	85	incl. 1x 3R12 Superlife	16645 101 421	40 08496 67756 6	6	Metal	3.70 V; 0.30 A Normal (Order No. 00720 000 402)
LED Silver Light 3AAA	1	100	230	30	106	98	53	29	53	incl. 3x LR03 High Energy	16647 101 421	40 08496 67759 7	6	Plastic, Rubber	3x 5mm LED

*ANSI FL1 Standard

Type	Flashlights	Width (mm) Blister	Height (mm) Blister	Depth (mm) Blister	Weight (g) Blister	Length (mm) Torch	Diameter (mm) Torch	Weight (g) Torch	Batteries	Order No./ Consumer unit	EAN / GTIN	Minimum pieces/ shipment unit	Housing	Bulb equipment
XS Camping Lantern LED 4AA	1	74	216	60	182	152	74	175	-	16664 101 111	40 08496 67697 2	4	Plastic	8x 5mm LED
LED Day Light 2D	1	150	330	65	517	196	63	187.5	incl. 2x LR20 High Energy	17611 101 421	40 08496 67771 9	4	Metal, Rubber, Plastic	7x 5mm LED
Swivel Light LED 2AA	1	135	280	55	236	204	52	146	incl. 2x LR6 High Energy	17622 101 421	40 08496 67789 4	6	Plastic, Rubber	0.5 Watt Plug-in LED

*ANSI FL1 Standard

GENERAL PURPOSE

RECHARGEABLE

PROFESSIONAL

BUTTON CELLS

FLASHLIGHTS

DISPLAY SYSTEMS

VARTA 1 WATT LED DAY LIGHT 2D | VARTA PREMIUM LED LIGHT 3AAA | VARTA 1 WATT LED OUTDOOR PRO 3AAA | 1 WATT LED OUTDOOR PRO 2AAA



1 Watt LED Day Light 2D 17626 | Premium LED Light 3AAA 17634 | 1 Watt LED Outdoor Pro 3AAA 17628 | 1 Watt LED Outdoor Pro 2AA 17629

VARTA 1 Watt LED Day Light 2D:

- High performance 1 Watt LED for low energy consumption and high light output
- Impact resistant, three-component case (aluminium, rubber and ABS plastic)
- Lanyard offers optimum comfort during use

173m* 11h 96 lumens 1 WATT L.E.D. 0.25 lux

VARTA 1 Watt LED Outdoor Pro 3AAA:

- Premium Outdoor flashlight with 1 watt high performance LED
- Water resistant anodized aluminium body
- Amazingly long run time - up to 20 hrs in energy saving mode
- Shock proof 3m

50m* UP TO 20h UP TO 80 lumens 1 WATT L.E.D. 0.25 lux

VARTA Premium LED Light 3AAA:

- High-end flashlight with water resistant aluminium housing in an exclusive design
- 0.5 Watt high performance LED for low energy consumption and high brightness
- Long runtime of minimum 13 hours of illumination

36m* 13h 30 lumens 0.5 WATT L.E.D. 0.25 lux

VARTA 1 Watt LED Outdoor Pro 2AA:

- Premium Outdoor flashlight with 1 watt high performance LED
- Water resistant anodized aluminium body
- Amazingly long run time - up to 24 hrs in energy saving mode

87m* UP TO 24h UP TO 110 lumens 1 WATT L.E.D. 0.25 lux

Type	Flashlights	Width (mm) Blister	Height (mm) Blister	Depth (mm) Blister	Weight (g) Blister	Length (mm) Torch	Diameter (mm) Torch	Weight (g) Torch	Batteries	Order No./ Consumer unit	EAN / GTIN	Minimum pieces/ shipment unit	Housing	Bulb equipment
1W LED Day Light 2D	1	150	330	65	524	196	63	198	incl. 2x LR20 High Energy	17626 101 421	40 08496 77151 6	4	Aluminium Plastic, Rubber	1 Watt LED
Premium LED Light 3AAA	1	100	230	36	146	114	32	87	incl. 3x LR03 High Energy	17634 101 421	40 08496 67744 3	4	Aluminium	0.5 Watt LED
1W LED Outdoor Pro 3AAA	1	100	230	38	161	115	35	102	incl. 3x LR03 High Energy	17628 101 421	40 08496 67682 8	4	Aluminium, Rubber	1 Watt LED
1W LED Outdoor Pro 2AA	1	135	280	32	177	154	30	88	incl. 2x LR6 High Energy	17629 101 421	40 08496 77154 7	4	Aluminium, Rubber	1 Watt LED

*ANSI FL1 Standard

VARTA LED x4 HEAD LIGHT 3AAA | VARTA INDESTRUCTIBLE LED x5 HEAD LIGHT 3AAA | VARTA INDESTRUCTIBLE 1 WATT LED HEAD LIGHT 3AAA



LED x4 Head Light 3AAA 17631 | Indestructible LED x5 Head Light 3AAA 17730 | Indestructible 1 Watt LED Head Light 3AAA 17731

VARTA LED x4 Head Light 3AAA:

- Lightweight LED head light in leisure design
- Equipped with 4 high quality LEDs:
 - 3x white LEDs for optimum brightness
 - 1x red LED for night vision
- Water resistant housing made of durable ABS plastic and rubber
- Tilttable head for optimum illumination
- 3 level switching function (white LEDs, red LED, Off)

18m* UP TO 38h UP TO 22 lumens 3x 5mm + 1x red L.E.D. 0.25 lux

VARTA Indestructible LED x5 Head Light 3AAA:

- Extremely robust (9m drop test), water resistant (IPX4), with shock-absorbing, rubberized housing
- Very bright 5x 5mm LEDs and two modes: 35 lumens and 11 lumens (energy saver)
- Compact and extremely lightweight, tilttable head light
- Designed for maximum durability

24m* UP TO 40h UP TO 35 lumens 5x 5mm L.E.D. 0.25 lux

VARTA Indestructible 1 Watt LED Head Light 3AAA:

- Extremely robust (9m drop test), water resistant (IPX4), with shock-absorbing, rubberized housing
- High performance LED with two modes: 100 lumens and 36 lumens (energy saver)
- Compact and extremely lightweight, tilttable head light
- Designed for maximum durability

100m* UP TO 15h UP TO 100 lumens 1Watt L.E.D. 0.25 lux

Type	Flashlights	Width (mm) Blister	Height (mm) Blister	Depth (mm) Blister	Weight (g) Blister	Length (mm) Torch	Width (mm) Torch	Depth (mm) Torch	Weight (g) Torch	Batteries	Order No./ Consumer unit	EAN / GTIN	Minimum pieces/ shipment unit	Housing	Bulb equipment
LED x4 Head Light 3AAA	1	100	230	40	71	42	68	37	45	-	17631 101 401	40 08496 67774 0	4	Plastic, Rubber	3x 5mm LED + 1x red LED
Indestructible LED x4 Head Light 3AAA	1	100	230	40	104	42	68	37	45	incl. 3x LR03 High Energy	17631 101 421	40 08496 67777 1	4	Plastic, Rubber	3x 5mm LED + 1x red LED
Indestructible LED x5 Head Light 3AAA	1	100	230	40	124	40	62	44	65	incl. 3x LR03 High Energy	17730 101 421	40 08496 68283 6	4	Plastic, Rubber	5x 5mm LED
Indestructible 1W LED Head Light 3AAA	1	100	230	40	123	40	62	44	64	incl. 3x LR03 High Energy	17731 101 421	40 08496 68286 7	4	Plastic, Rubber	1W LED

*ANSI FL1 Standard

PROFESSIONAL LINE

POWER LINE

EASY LINE

PROFESSIONAL LINE

POWER LINE

EASY LINE

GENERAL PURPOSE

RECHARGEABLE

PROFESSIONAL

BUTTON CELLS

FLASHLIGHTS

DISPLAY SYSTEMS

VARTA PREMIUM LED LIGHT 2AA |
VARTA INDUSTRIAL FOCUS CONTROL LED 4AA | VARTA 0.5 WATT LED DAY LIGHT 2AA



Premium LED Light 2AA
17635

Industrial Focus Control LED 4AA
17640

0.5 Watt LED Day Light 2AA
17651

PROFESSIONAL LINE

POWER LINE

EASY LINE

VARTA LED FLEX NECK LIGHT 2AAA | VARTA INDUSTRIAL BEAM LANTERN 4D |
VARTA DYNAMO LIGHT LED



LED Flex Neck Light 2AAA
17646

Industrial Beam Lantern 4D
17652

Dynamo Light LED
17680

PROFESSIONAL LINE

POWER LINE

EASY LINE

VARTA Premium LED Light 2AA:

- Innovative 1 watt high performance LED for maximum illumination
- Spot-to-flood focusable beam
- High-end design combined with 6 times processed robust aluminium housing
- Extremely long illumination time

100m* 0.25 lux 4h 60 lumens 1 WATT L.E.D.

VARTA 0.5 Watt LED Day Light 2AA:

- Impact resistant, three-component case (aluminium, rubber and ABS plastic)
- High performance 0.5 Watt LED for low energy consumption and high light output
- Lanyard offers optimum comfort during use

45m* 0.25 lux 6h 32 lumens 0.5 WATT L.E.D.

VARTA Industrial Focus Control LED 4AA:

- Water repellent high performance LED flashlight
- Resistant against chemical fluids such as oil, fuel and diesel
- Stepless adjustable spot-to-flood function
- Non-slip rubber grip and hanging ring
- CREE XPC Q2 LED with 120 lumens (3 watt)
- Up to 3m shockproof
- Rugged ABS plastic housing

132m* 0.25 lux 4h 120 lumens 3 WATT L.E.D.

VARTA LED Flex Neck Light 2AAA:

- 0.5 high performance LED for an ideal illumination even of hard-to-access spots
- Bendable, 22cm long neck provides maximum flexibility
- Magnet clip allows fixation of the flashlight on metal surfaces
- DC/DC regulator for constant light output
- Water resistant according IPX4

56m* 0.25 lux 17h 30 lumens 0.5 WATT L.E.D.

VARTA Dynamo Light LED:

- Always light - 100% battery independent
- One minute cranking provides 30 minutes light
- Modern lithium ion rechargeable battery - capacity 120 mAh
- Three white 5mm LEDs for a better beam range
- Shock resistant ABS plastic housing
- Water resistant

26m* 0.25 lux 1h 28 lumens 3x 5mm L.E.D.

VARTA Industrial Beam Lantern 4D:

- Waterproof IPX7 (up to 1m)
- Resistant against chemical fluids such as oil, fuel and diesel
- Multi-adjustable stand for comfortable work

93m* 0.25 lux 14h 60 lumens Krypton

Type	Flashlights	Width (mm) Blister	Height (mm) Blister	Depth (mm) Blister	Weight (g) Blister	Length (mm) Torch	Diameter (mm) Torch	Weight (g) Torch	Batteries	Order No./ Consumer unit	EAN / GTIN	Minimum pieces/ shipment unit	Housing	Bulb equipment
Premium LED Light 2AA	1	135	280	32	135	175	30	45	incl. 2x LR6 High Energy	17635 101 421	40 08496 67747 4	4	Aluminium	1 Watt LED
Industrial Focus Control LED 4AA	1	135	280	61	327	194	60	189	incl. 4x LR6 High Energy	17640 101 421	40 08496 67685 9	4	Plastic	3 Watt LED
0.5W LED Day Light 2AA	1	100	230	46	159	164	44	91.5	incl. 2x LR6 High Energy	17651 101 421	40 08496 67762 7	4	Aluminium, Plastic, Rubber	0.5 Watt LED

*ANSI FL1 Standard

Type	Flashlights	Width (mm) Blister	Height (mm) Blister	Depth (mm) Blister	Weight (g) Blister	Length (mm) Torch	Width (mm) Torch	Depth (mm) Torch	Weight (g) Torch	Batteries	Order No./ Consumer unit	EAN / GTIN	Minimum pieces/ shipment unit	Housing	Bulb equipment
LED Flex Neck Light 2AAA	1	135	280	32	171	375	-	21	62	incl. 2x LR03 High Energy	17646 101 421	40 08496 74659 0	4	Plastic, Rubber	0.5 Watt LED
Industrial Beam Lantern 4D	1	232	271	121	736	232	165	120	706	-	17652 101 111	40 08496 67706 1	4	Plastic, Rubber	4,80 V; 0,75 A Krypton (Order-Nr. 00792 000 402)
Dynamo Light LED	1	100	230	44	170	142	42	52	145	-	17680 101 401	40 08496 67700 9	4	ABS plastic	3x 5mm LED

*ANSI FL1 Standard

GENERAL PURPOSE

RECHARGEABLE

PROFESSIONAL

BUTTON CELLS

FLASHLIGHTS

DISPLAY SYSTEMS

VARTA RECHARGEABLE DIRECT PLUG IN LED | VARTA LED SOLAR LIGHT



Rechargeable Direct Plug In LED
17682



LED Solar Light
17690

VARTA Rechargeable Direct Plug In LED:

- Handy rechargeable LED flashlight to plug-in directly into the wall socket
- Long lasting, durable and rechargeable NiMH accu (charge time 16h), rechargeable battery runtime is 1h
- No change of batteries required
- Three magnifying lenses for a long beam range
- With push button
- Charging indicator
- 230V 50Hz AC input requirement, with cover for protecting plug

20m*
0.25 lux 1h 15 lumens 3x 5mm L.E.D.

VARTA LED Solar Light:

- Designed solar light with two charging modes: Solar energy and pull mechanism
- Robust housing made from durable plastic
- 1 hour of charging in the sun provides 15-20 minutes light
- Pull string 60x and the 3 LEDs will light up 10 minutes (emergency charging)
- If battery is fully charged, flashlight has 2h runtime
- Long lifetime due to high performance lithium-ion rechargeable battery (replace only with LIR 2450, 3.6V, 110mAh)
- LEDs don't need replacement and guarantee long battery lifetime
- Low voltage (2.4V) and overcharge protection (4.2V) for a long lifetime

24m*
0.25 lux 2h 10 lumens 3x 5mm L.E.D.

Type	Flashlights	Width (mm) Blister	Height (mm) Blister	Depth (mm) Blister	Weight (g) Blister	Length (mm) Torch	Width (mm) Torch	Depth (mm) Torch	Weight (g) Torch	Batteries	Order No./ Consumer unit	EAN / GTIN	Minimum pieces/ shipment unit	Housing	Bulb equipment
Rechargeable Direct Plug In LED	1	100	230	30	83	105	44	27	63,5	-	17682 101 401	40 08496 67765 8	4	Plastic	3x 5mm LED
LED Solar Light	1	100	230	21	113	130.5	50.5	18	93	-	17690 101 401	40 08496 67783 2	4	Plastic	3x 5mm LED

*ANSI FL1 Standard

VARTA 4 WATT LED OUTDOOR PRO 3C



4 Watt LED Outdoor Pro 3C
18627

VARTA 4 Watt LED Outdoor Pro 3C:

- Premium outdoor flashlight with CREE XR-E high performance LED that lasts approx. 50,000 hrs.
- 4 watts LED yields 180 lumens for an amazingly long beam range
- Water resistant anodized aluminium body provides extreme durability
- Rubber non-slip grip and lanyard for a comfortable and secure use
- Two light modes: 100% and energy saving mode

180m*
0.25 lux UP TO 60h UP TO 180 lumens 4 WATT L.E.D.

Type	Flashlights	Width (mm) Blister	Height (mm) Blister	Depth (mm) Blister	Weight (g) Blister	Length (mm) Torch	Diameter (mm) Torch	Weight (g) Torch	Batteries	Order No./ Consumer unit	EAN / GTIN	Minimum pieces/ shipment unit	Housing	Bulb equipment
4 W LED Outdoor Pro 3C	1	150	330	44	273	246	44	219	-	18627 101 401	40 08496 67679 8	3	Aluminium, Rubber	4 Watt LED

* ANSI FL1 Standard

PROFESSIONAL LINE

POWER LINE

EASY LINE

PROFESSIONAL LINE

POWER LINE

EASY LINE

GENERAL PURPOSE

RECHARGEABLE

PROFESSIONAL

BUTTON CELLS

FLASHLIGHTS

DISPLAY SYSTEMS

**VARTA 1 WATT LED SPORTS HEAD LIGHT 2AAA |
VARTA INDUSTRIAL RUBBERMATE LED 2D**



1 Watt LED Sports Head Light 2AAA
18632



Industrial Rubbermate LED 2D
18641

VARTA 1 Watt LED Sports Head Light 2AAA:

- 1 watt high performance LED produces 80 lumens
- Rotating diffuser lenses allow both - long beam range as well as close up flood light
- Red lens optimal for night vision
- Three light modes 100% output, 50% in battery-saving mode, and signal mode (hold button down for 3 seconds)
- Water and impact resistant for extreme conditions
- Adjustable head strap maximizes comfort

VARTA Industrial Rubbermate LED 2D:

- Water repellent high performance LED flashlight
- Resistant against chemical fluids such as oil, fuel and diesel
- Stepless adjustable spot-to-flood function
- Non-slip rubber grip
- Cree XP-E Q4 LED with 180 lumens (3 watts)
- Up to 5m shockproof
- Aluminium / durable plastic body material mix
- Extremely robust for intense use

90m*
0.25 lux UP TO 16h UP TO 80 lumens 1 WATT L.E.D.

146m*
0.25 lux UP TO 11h UP TO 180 lumens 3 WATT L.E.D.

Type	Flashlights	Width (mm) Blister	Height (mm) Blister	Depth (mm) Blister	Weight (g) Blister	Length (mm) Torch	Width (mm) Torch	Depth (mm) Torch	Weight (g) Torch	Batteries	Order No./ Consumer unit	EAN / GTIN	Minimum pieces/ shipment unit	Housing	Bulb equipment
1W LED Sports Head Light 2AAA	1	100	230	41	106	40	65	40	58	incl. 2x LR03 High Energy	18632 101 421	40 08496 67780 1	4	ABS plastic	1 Watt LED
Industrial Rubbermate LED 2D	1	150	330	73	594	210	68	-	264	incl. 2x LR20 High Energy	18641 101 421	40 08496 67792 4	4	Aluminium, Plastic	3 Watt LED

* ANSI FL1 Standard

VARTA WORK LIGHT LED



Work Light LED 435
18660

VARTA Work Light LED:

- High performance LED Cree XR-E with 190 lumens (4 watts)
- 2 light modes: 100% light output and 50% energy saving modus
- 145° swivel head with adjustable height
- Acid resistant and oil repellent
- Carry strap for ease of use
- Includes VARTA High Energy battery
- Spare parts: battery pack - Order No. 00435 101 111

430m*
0.25 lux UP TO 250h UP TO 190 lumens 4 WATT L.E.D.

Type	Flashlights	Width (mm) Blister	Height (mm) Blister	Depth (mm) Blister	Weight (g) Blister	Length (mm) Torch	Width (mm) Torch	Depth (mm) Leuchte	Weight (g) Torch	Batteries	Order No./ Consumer unit	EAN / GTIN	Minimum pieces/ shipment unit	Housing	Bulb equipment
Work Light LED 435	1	280	390	130	2100	240	80	295	660	incl. 1x 4LR25-2 High Energy	18660 101 421	40 08496 67801 3	2	Aluminium	4 Watt LED

* ANSI FL1 Standard

PROFESSIONAL LINE

POWER LINE

EASY LINE

PROFESSIONAL LINE

POWER LINE

EASY LINE

GENERAL PURPOSE

RECHARGEABLE

PROFESSIONAL

BUTTON CELLS

FLASHLIGHTS

DISPLAY SYSTEMS

VARTA CAMPING LANTERN 4D | VARTA 4 WATT LED CAMPING LANTERN 3D



Camping Lantern 4D
18662



4 Watt LED Camping Lantern 3D
18663

VARTA Camping Lantern 4D:

- Beautifully shaped lantern with bright 9 watt fluorescent tube for 360° all around light
- Water-repellent casing made of ABS Plastic
- Handle can be extended for easier carrying

7m* (360°) 0.25 lux 24h 130 lumens 9 WATT FLUORESCENT TUBE

VARTA 4 Watt LED Camping Lantern 3D:

- Ultra bright LED lantern for ultimate outdoor experiences
- Three high performance LEDs (=4 watt) with a total light output of 300 lumens for unbeatable
- Three light modes: high, low and strobe mode (after holding for 3 seconds)
- Water resistant for every weather condition
- Integrated hook in lantern base, ideal for hanging in tents when taking off at same time light cover
- Amazing 72 hrs. (in high mode) and 150 hrs. (in low mode) battery runtime
- Robust design made out of durable ABS plastic and rubber base
- Lays perfect in the hand due to rubberized handle

10m* (360°) 0.25 lux UP TO 150h UP TO 300 lumens 4 WATT L.E.D.

Type	Flashlights	Width (mm) Blister	Height (mm) Blister	Depth (mm) Blister	Weight (g) Blister	Length (mm) Torch	Diameter (mm) Torch	Weight (g) Torch	Batteries	Order No./ Consumer unit	EAN / GTIN	Minimum pieces/ shipment unit	Housing	Bulb equipment
Camping Lantern 4D	1	122	390	118	667	273	117	652	-	18662 101 111	40 08496 67691 0	4	Rubber, ABS plastic	9 Watt Fluorescent tube (Order-Nr. 00794 000 401)
4W LED Camping Lantern 3D	1	122	355	88	432	185	88	422	-	18663 101 111	40 08496 67694 1	4	Rubber, ABS plastic	3x1.3 Watt LED

*ANSI FL1 Standard

VARTA 4 WATT LED ACCU LANTERN LED | VARTA RECHARGEABLE LANTERN LED



4 Watt LED Accu Lantern
18681



Rechargeable Lantern LED
18682

VARTA 4 Watt Accu Lantern LED:

- Rechargeable flashlight with environmentally friendly Ni-MH technology (2200 mAh) and powerful 4 watt high performance LED (150 lumens)
- 12 hours charging time
- 2 hours of light in constant operation
- Dual recharge with either AC/DC or car plug adaptor (included)
- LED charging indicator
- Rugged and water-repellent ABS housing with high resistant glass lens and rubber-coated lens covers
- Multi-adjustable rubber handle
- Tripod for hands-free usage (integrated in rubber handle)
- Carrying belt
- Spare parts: Ni-MH battery pack - Order No. 99034 504 491

372m* 0.25 lux 2h 150 lumens 4 WATT L.E.D.

Type	Flashlights	Width (mm) Blister	Height (mm) Blister	Depth (mm) Blister	Weight (g) Blister	Length (mm) Torch	Height (mm) Torch	Diameter (mm) Torch	Weight (g) Torch	Batteries	Order No./ Consumer unit	EAN / GTIN	Minimum pieces/ shipment unit	Housing	Bulb equipment
4W LED Accu Lantern	1	283	395	137	1465	223	165	135	755	incl. Ni-MH Accu	18681 101 401	40 08496 67709 2	2	ABS plastic, Rubber	4 Watt LED
Rechargeable Lantern LED	1	322	250	130	1626	197	145	125	431	incl. Pb Accu	18682 101 401	40 08496 67712 2	2	ABS plastic	CREE XR-E Q2 LED 3 Watt

*ANSI FL1 Standard

PROFESSIONAL LINE

POWER LINE

EASY LINE

PROFESSIONAL LINE

POWER LINE

EASY LINE

GENERAL PURPOSE

RECHARGEABLE

PROFESSIONAL

BUTTON CELLS

FLASHLIGHTS

DISPLAY SYSTEMS

**VARTA INDESTRUCTIBLE 1 WATT LED LIGHT 3AAA |
VARTA INDESTRUCTIBLE 1 WATT LED LIGHT 2AA**



Indestructible 1 Watt LED Light 3AAA
18700

Indestructible 1 Watt LED Light 2AA
18701

PROFESSIONAL LINE

POWER LINE

EASY LINE

**VARTA INDESTRUCTIBLE 3 WATT LED LIGHT 3C |
VARTA INDESTRUCTIBLE 3 WATT LED LANTERN 4C**



Indestructible 3 Watt LED Light 3C
18702

Indestructible 3 Watt LED Lantern 4C
18750

PROFESSIONAL LINE

POWER LINE

EASY LINE

VARTA Indestructible 1 Watt LED Light 3AAA:

- Extremely robust (9m drop test) and water resistant (IPX4), with a shock-absorbing rubberized head and end cap
- High performance LED with special lens optics and two modes: 120 lumens and 19 lumens (energy saver)
- Made of high quality, specially hardened aircraft aluminium for maximum durability

VARTA Indestructible 1 Watt LED Light 2AA:

- Extremely robust (9m drop test) and water resistant (IPX4), with a shock-absorbing rubberized head and end cap
- High performance LED with special lens optics and two modes: 100 lumens and 18 lumens (energy saver)
- Made of high quality, specially hardened aircraft aluminium for maximum durability

VARTA Indestructible 3 Watt LED Light 3C:

- Extremely robust (9m drop test) and water resistant (IPX4), with a shock-absorbing rubberized head and end cap
- High performance LED with special lens optics and two modes: 140 lumens and 45 lumens (energy saver)
- Made of high quality, specially hardened aircraft aluminium for maximum durability

VARTA Indestructible 3 Watt Lantern 4C:

- Extremely robust (4m drop test) and water resistant (IPX4), with a shock-absorbing rubberized head
- High performance LED with special lens optics and two modes: 150 lumens and 50 lumens (energy saver)
- Electronic regulation for uniform light
- Designed for maximum durability

160m*
0.25 lux
 UP TO 40h
UP TO 120 lumens
1 WATT L.E.D.

150m*
0.25 lux
 UP TO 35h
UP TO 100 lumens
1 WATT L.E.D.

140m*
0.25 lux
 UP TO 85h
UP TO 140 lumens
3 WATT L.E.D.

350m*
0.25 lux
 UP TO 78h
UP TO 150 lumens
3 WATT L.E.D.

Participate in our Indestructible sweepstake.
Details at www.built-to-survive.com

Type	Flashlights	Width (mm) Blister	Height (mm) Blister	Depth (mm) Blister	Weight (g) Blister	Length (mm) Torch	Diameter (mm) Torch	Weight (g) Torch	Batteries	Order No./ Consumer unit	EAN / GTIN	Minimum pieces/ shipment unit	Housing	Bulb equipment
Indestructible 1W LED Light 3AAA	1	100	230	43	192	135	37	137	incl. 3x LR03 High Energy	18700 101 421	40 08496 68271 3	4	Aluminium	1 Watt LED
Indestructible 1W LED Light 2AA	1	135	280	40	234	164	38	145	incl. 2x LR6 High Energy	18701 101 421	40 08496 68274 4	4	Aluminium	1 Watt LED

*ANSI FL1 Standard

Type	Flashlights	Width (mm) Blister	Height (mm) Blister	Depth (mm) Blister	Weight (g) Blister	Length (mm) Torch	Width (mm) Torch	Diameter (mm) Torch	Weight (g) Torch	Batteries	Order No./ Consumer unit	EAN / GTIN	Minimum pieces/ shipment unit	Housing	Bulb equipment
Indestructible 3W LED Light 3C	1	150	330	50	553	246	-	48	293	incl. 3x LR14 High Energy	18702 101 421	40 08496 68277 5	3	Aluminium	3 Watt LED
Indestructible 3W LED Lantern 4C	1	180	240	91	884	147	84	132	540	incl. 4x LR14 High Energy	18750 101 421	40 08496 68280 5	2	Aluminium	3 Watt LED

*ANSI FL1 Standard

GENERAL PURPOSE

RECHARGEABLE

PROFESSIONAL




BUTTON CELLS

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DISPLAY SYSTEMS

NEW ANSI FL1 STANDARD



BEAM RANGE	RUN TIME	TOTAL LIGHT OUTPUT IN LUMENS
		

VARTA's comparable features according to ANSI

In August 2009 the American National Standards Institute (ANSI) has published the ANSI FL 1 "Flashlight Basic Performance" Standard (developed by the Flashlight Standards Committee) for the first time. Initially introduced for the United States it is on the way to become the first worldwide flashlight standard with fixed definitions and testing methods for flashlight basic performance as well as associated marking.

The clearly defined test methods and marking rules will help retailers and consumers to gain a clearer understanding of the performance. Furthermore they match very well to the overall idea of the VARTA Flashlight Relaunch 2011. Therefore VARTA has adapted its way of measuring the flashlights' performance to the new standard.

The American National Standards Institute (ANSI) is a private non-profit organization that oversees the development of voluntary consensus standards for products, services, processes, etc. in the United States. The organization coordinates U.S. standards with international standards, which allows international comparison.

VARTA's comparable features according to ANSI

- **Beam Range:** According to ANSI the beam range is measured as the distance between the flashlight and the point where the light beam is minimum 0.25 lux. With the relaunch 2011 VARTA adjusts its measuring method to this new standard. The VARTA beam range was previously measured at the point where the light beam was minimum 1 lux. Older VARTA beam range information needed to be doubled to match the new ANSI Standard.
- **Runtime:** Runtime is defined as the time span between turning on the light and the moment it only produces 10% of the initial light output. It is the battery lifetime of the flashlight in constant use without turning it off. VARTA has always measured to the 10% light output level, therefore, there are no changes to these measurements.
- **Total Light Output:** Total light output is measured in lumens. It is the total quantity of emitted light energy, considering the entire angular output of the flashlight.

With the Flashlight Relaunch 2011 VARTA will follow the ANSI Standard in any and all claims. Please be aware that only a true comparison is possible if other product follows the new standard as well. Missing ANSI information on the packaging might indicate that this product does not adhere to the same performance standard as VARTA.

With the Flashlight Relaunch 2011 VARTA simplifies the flashlight purchasing process, making it easy to compare any product performances.



GENERAL PURPOSE

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BUTTON CELLS

FLASHLIGHTS

DISPLAY SYSTEMS

PROFESSIONAL LINE



	4 Watt LED Outdoor Pro 3C	1 Watt LED Sports Head Light 2AAA	Industrial Rubbermate LED 2D	Work Light LED 435	Camping Lantern 4D	4 Watt LED Camping Lantern 3D	4 Watt Accu Lantern LED	Rechargeable Lantern LED	Indestructible Light 3AAA	Indestructible 1W LED Light 2AA	Indestructible 3W LED Light 3C	Indestructible 3W LED Lantern 4C
Order Nr.	18627 101 401	18632 101 421	18641 101 421	18660 101 421	18662 101 111	18663 101 111	18681 101 401	18682 101 401	18700 101 421	18701 101 421	18702 101 421	18750 101 421
Battery	for 3C	incl. 2AAA	incl. 2D	incl. 1x4LR25-2 High Energy	for 4D	for 3D	incl. 1xNiMH Akku	incl. Pb Akku	incl. 3AAA	incl. 2AA	incl. 3C	incl. 4C
Shipment Unit	3	4	4	2	4	4	2	2	4	4	3	2
Beam Range	180m	90m	146m	430m	7m (360°)	10m (360°)	372m	300m	160m	150m	140m	350m
Runtime	(up to) 60h	(up to) 16h	(up to) 11h	(up to) 250h	24h	(up to) 150h	2h	10h	40h	35h	85h	78h
Total Light Output	(up to) 180lm	(up to) 80lm	(up to) 180lm	(up to) 190lm	130lm	(up to) 300lm	150lm	150lm	120lm	100lm	140lm	150lm
Light Source	4 Watt LED	1 Watt LED	3 Watt LED	4 Watt LED	9 Watt Fluorescent tube	4 Watt LED	4 Watt LED	3 Watt LED	1 Watt LED	1 Watt LED	3 Watt LED	3 Watt LED
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POWER LINE



	LED Day Light 2D	Swivel Light LED 2AA	1 Watt LED Day Light 2D	1 Watt LED Outdoor Pro 3AAA	1 Watt LED Outdoor Pro 2AA	LED x4 Head Light 3AAA	Premium LED Light 3AAA	Indestructible LED x5 Head Light 3AAA	Indestructible 1W LED Head Light 3AAA	Premium LED Light 2AA	Industrial Focus Control LED 4AA	LED Flex Neck Light 2AAA	0.5W LED Day Light 2AA	Industrial Lantern 4D	Dynamo Light LED	Rechargeable Direct Plug In LED	LED Solar Light
Order Nr.	17611 101 421	17622 101 421	17626 101 421	17628 101 421	17629 101 421	17631 101 401	17634 101 421	17730 101 421	17731 101 421	17635 101 421	17640 101 421	17646 101 421	17651 101 421	17652 101 111	17680 101 401	17682 101 401	17690 101 401
Battery	incl. 2D	incl. 2AA	incl. 2D	incl. 3AAA	incl. 2AA	incl. 3AAA	incl. 3AAA	incl. 3AAA	incl. 3AAA	incl. 2AA	incl. 4AA	incl. 2AAA	incl. 2AA	for 4D	incl. 1 Lith-Ionen Akku	incl. NiMH-Akku	incl. 1 Lith-Ionen Akku
Shipment Unit	4	6	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Beam Range	63m	40m	68m	50m	87m	18m	36m	24m	100m	100m	132m	56m	45m	93m	26m	20m	24m
Runtime	140h	35h	52h	(up to) 20h	(up to) 24h	(up to) 38h	13h	40h	15h	4h	4h	17h	6h	14h	1h	1h	2h
Total Light Output	58lm	23lm	20lm	(up to) 80lm	(up to) 110lm	(up to) 22lm	30lm	35lm	100lm	60lm	120lm	30lm	32lm	60lm	28lm	15lm	10lm
Light Source	7x5mm LED	0.5 Watt LED	1 Watt LED	1 Watt LED	1 Watt LED	3x 5mm + 1x red LED	0.5 Watt LED	5x5mm LED	1 Watt LED	1 Watt LED	3 Watt LED	0.5 Watt LED	0.5 Watt LED	Krypton	3x5mm LED	3x5mm LED	3x5mm LED
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EASY LINE



	LED Spot Light 2AA	Mini Day Light LED 1AAA	Industrial LED Light 2D	LED Day Light 2AA	LED Pen Light 1AAA	LED Lipstick Light 1AA	LED Book Light 2CR2032	Trilogy LED Light 3AAA	LED Gelly Light 2AA	Profi Light 2C	Pocket Light 3R12	Palm Light 3R12	LED Silver Light 3AAA	XS Camping Lantern LED 4AA
Order Nr.	16600 101 401	16601 101 421	16604 101 401	16610 101 421	16611 101 421	16617 101 421	16618 101 421	16615 101 421	16616 101 421	16623 101 401	16640 101 401	16645 101 421	16647 101 421	16664 101 111
Battery	for 2AA	incl. 1AAA	for 2D	incl. 2AA	incl. 1AAA	incl. 1AA	incl. 2CR2032	incl. 3AAA	incl. 2AA	for 2C	for 3R12	incl. 3R12	incl. 3AAA	for 4AA
Shipment Unit	6	6	4	6	6	6	6	6	6	6	12	6	6	4
Beam Range	25m	18m	52m	42m	11m	25m	7.5m	52m	50m	36m	34m	75m	41m	3.2m
Runtime	45h	3.5h	160h	65h	15h	3h	26h	70h	50h	5h	3h	3.5h	12h	(up to) 15h
Total Light Output	10lm	9lm	25lm	25lm	3lm	19lm	9lm	11lm	5lm	12lm	18lm	15lm	28lm	(up to) 24lm
Light Source	5mm LED	5mm LED	0.5 Watt LED	3x5mm LED	5mm LED	0.5 Watt LED	5mm LED	5mm LED	5mm LED	Krypton	Bulb	Bulb	3x5mm LED	8x5mm LED
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GENERAL PURPOSE

RECHARGEABLE

PROFESSIONAL

BUTTON CELLS

FLASHLIGHTS

DISPLAY SYSTEMS

LEDs ARE "WHAT'S NEW" IN FLASHLIGHT TECHNOLOGY

What is an LED?

- LED stands for "Light Emitting Diode".
- It is not a bulb, it does not use a filament. It is a plastic sealed semi-conductor with phosphorous coating that produces light. The LED itself is a solid-state electronic device.
- LEDs are highly energy efficient and made without glass.
- Light beam is not created by heat, it is emitted directly from electrons (cold light).

LEDs benefits

- Durable and virtually unbreakable
- Extremely energy efficient
- Resistant to heat, cold and shock
- LEDs last 50,000 – 100,000 hours



LED TECHNOLOGY

Measures of Comparison

- Millimeter: Indicates the size of the LED in diameter.
- Watts: Measures the electrical power consumption by a light.
- Lumens: Most dependable measure of a light's true output. The "standard" in light output.
- Lux (lx): Measure of the illuminance, shows how many lumens per square metre are reaching a certain surface. The Lux value is the most common known photometric unit and indicates very clearly the lighting condition at a special point.
- Candela (cd): Unit of the luminous intensity. It's the power emitted by a light source in a particular direction. A common candle emits light with a luminous intensity of roughly one candela (=1 lx in distance of 1 meter).



LEDs vs. Incandescent Bulbs

High Performance LEDs



- Virtually shatter proof and since they don't heat up they are very safe, won't crack and are vibration resistant (highly shock resistant)
- Very strong, white light (high colour temperature)
- High Performance LED last up to 50,000 hours
- Due to high performance suitable for long distances
- Focusing possible
- High efficiency regarding the relation between power consumption and true light output

5mm / Standard LEDs



- Virtually shatter proof and since they don't heat up they are very safe, won't crack and are vibration resistant (extremely resistant to shocks)
- Light is much whiter, sometimes slightly blue (high colour temperature)
- LED lasts quasi for the lifetime of the flashlight (up to 100,000 hours)
- For activities in low-distance (low performance approx. 150mW)
- Providing longer battery runtime due to high energy efficiency at lower performance

Incandescent Bulbs



- Can break quite easily
- Light tends to be slightly red/yellow (low colour temperature)
- Bulb life cycle only 20 - 30 hours (the filament is a wearing part, it vaporises during its lifetime).
- Shorter battery lifetime due to extremely high power consumption

Comparison of operation costs in 200 hours of service

2AA 5mm LED Flashlight

0 bulbs
40-45 hrs runtime per battery set
~ ca. 10 AA batteries/200hrs.

Estimated costs*: ~ 6%

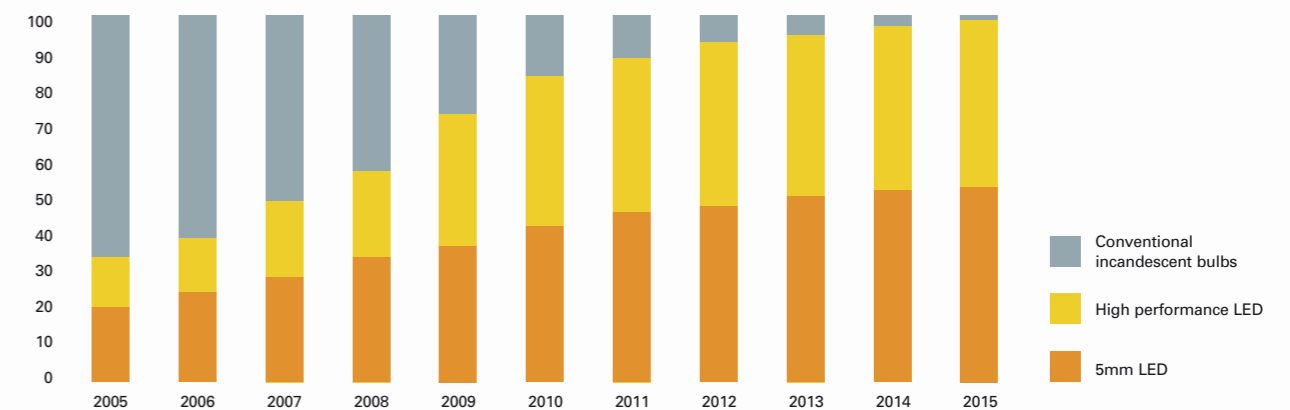
2AA Incandescent Bulb Flashlight

10 bulbs
2-3 hrs runtime per battery set
~ ca. 160 AA batteries/200 hrs.

Estimated costs*: ~ 100%

* Relating to end-consumer price

LEDs: The lightsource of the future



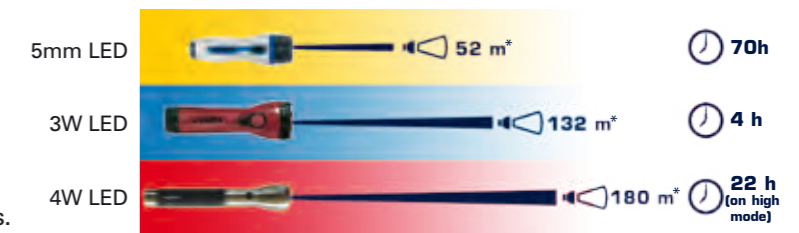
In 2015 about 98% of all sold flashlights will be equipped with LEDs.

What makes LEDs so special?

The advantages of the LED flashlight speak for themselves:

- up to 5x brighter light output
- up to 10x longer battery runtime

than conventional incandescent bulb flashlights.



* according to new ANSI FL1 Standard

Now better than ever before: The new LED technology from VARTA



BULBS

The blister colours and pictograms as shown on the torch fittings:

- Red** = for flashlights with 1 and 2 batteries
- Green** = for flashlights with 3 batteries
- Blue** = for flashlights with 4 batteries and more

The labelling system above summarizes the type information



- The comprehensive selection of spare bulbs, including normal, krypton, halogen and xenon tops off the flashlight range
- The unique blister pack concept makes it easy to find the right bulb



LR03-LR6-LR14-LR20 / 1x 2R10 LR03-LR6-LR14-LR20 / 1x 3R8-3R12 LR03-LR6-LR14-LR20 / 1x 4R25/2

Type	718	701*	742	703*	704*	705*	720	714	749*	751	752	792	721	712	794*
Normal bulbs for HIGH ENERGY Batteries	2.40 V; 0.50 A	2.40 V; 0.30 A	2.25 V; 0.25 A	1.20 V; 0.30 A	2.30 V; 0.27 A	2.60 V; 0.30 A	3.70 V; 0.30 A	3.50 V; 0.20 A							
Krypton bulbs for HIGH ENERGY Batteries															
Fluorescent Tube for HIGH ENERGY Batteries															

* available as long as stocks last

Type	Voltage (V)	Technology	Amperage (A)	Bulbs	Width (mm)	Height (mm)	Depth (mm)	Weight (g)	Order-No./ Consumer unit	EAN/GTIN/ Consumer unit	Minimum pieces/ shipment unit	For VARTA flashlights
701*	2.40	Normal	0.30	2	80	120	15	6	00701 000 402	40 08496 30122 5	10	12670
703*	1.20	Normal	0.30	2	80	120	15	6	00703 000 402	40 08496 35111 4	10	14600
704*	2.30	Normal	0.27	2	80	120	15	6	00704 000 402	40 08496 28688 1	10	-
705*	2.60	Normal	0.30	2	80	120	15	6	00705 000 402	40 08496 37927 9	10	10613 (new: 16613)
712	4.80	Krypton	0.70	2	80	120	15	9	00712 000 402	40 08496 34659 2	10	12630
714	3.50	Normal	0.20	2	80	120	15	8	00714 000 402	40 08496 21937 7	10	604
718	2.40	Normal	0.50	2	80	120	15	9	00718 000 402	40 08496 17602 1	10	96605, 96607
720	3.70	Normal	0.30	2	80	120	15	9	00720 000 402	40 08496 17605 2	10	10645, 10640 (new: 16645, 16640)
742	2.25	Normal	0.25	2	80	120	15	9	00742 000 402	40 08496 10165 8	10	13625, 14610
749*	2.20	Krypton	0.47	2	80	120	15	10	00749 000 402	40 08496 37938 5	10	10614, 13640, 12603, 12622 (new: 17622)
751	2.40	Krypton	0.70	2	80	120	15	9	00751 000 402	40 08496 35978 3	10	10600, (new: 16600), 13601, 11610, 11611, 13600, 12604, 12623, (new: 16623)
752	3.60	Krypton	0.75	2	80	120	15	9	00752 000 402	40 08496 34648 6	10	10646
792	4.80	Krypton	0.75	2	80	120	15	9	00792 000 402	40 08496 34628 8	10	12660, 12651 (new: 17652)
794*	-	Fluorescent Tube	-	1	140	245	23	50	00794 000 401	40 08496 62725 7	5	11662 (new: 18662)

* available as long as stocks last

GENERAL PURPOSE

RECHARGEABLE

PROFESSIONAL

BUTTON CELLS

FLASHLIGHTS

DISPLAY SYSTEMS



PRODUCT DISPLAY SYSTEMS

Different solutions composed for you **individually**.



At **VARTA**, innovation as an ongoing process - especially for point of sale communication.

Take the **VARTA Battery Center**, an attractive display unit for offering centralized placement of batteries in high traffic areas. We further offer product display systems for counters, checkouts and for mounting on columns and gondola heads, some of which enable a 360° revolving product display. New battery-shaped displays have a strong eye-catching effect.

Displays encourage incremental impulse purchases in areas with high customer traffic, even in inconvenient locations and tiny spaces. Informative panels with an integrated battery cut-out and a basket for additional product placement make it easy for consumers to find the right battery.

For promotion at the POS, VARTA provides attractive materials for communication of the VARTA TriEnergy concept.

VARTA product displays – placements that sell.

BATTERY SHAPED DISPLAYS



Battery Shaped Sales Stand, Metal
9026 260 001
delivered empty

Battery Shaped Sales Stand, Cardboard
91560 112 050
delivered empty

Battery Shaped Dispenser, Plastic
9026 270 001
delivered empty

Battery Shaped, Metal
9026 160 006
delivered empty

- Eye-catching battery-shaped displays
- Maximum visibility at the POS

Order No.	Height (cm)	ground area (cm)	Hooks (incl.)
9026 260 001	165	60x40	40
91560 112 050	172	60x40	32
9026 270 001	145	60x40	-
9026 160 006*	61	25x22	6

Hook refills for 9026 260 001*

Order No.	Hook length
9006 255 220	20 cm

* Shipping unit: 20 pieces/box

If required, please contact your representative at VARTA Sales.

GENERAL PURPOSE

RECHARGEABLE

PROFESSIONAL

BUTTON CELLS

FLASHLIGHTS

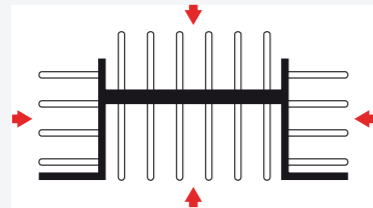
DISPLAY SYSTEMS

TOWER DISPLAY



Small Battery Center
9026 300 190
delivered empty

View from above



Four sides can be stocked with products

- ▼ Inclusive information panels (left and right)
- ▼ Inclusive basket for additional product placement



Metal Floor Display
9026 255 072
delivered empty



Metal Counter Display
9026 150 032
delivered empty

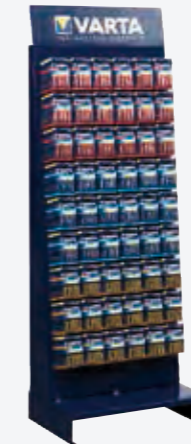
SPEARHEAD FLOOR DISPLAY



Metal Sales Stand,
9026 200 036



Basket
9026 210 040



Metal Sales Stand,
9026 200 054



Basket
9026 210 060

Set of 2 optional for
Metal Sales Stand
9026 200 054
9026 200 036



Side Panels,
9026 215 001



Side Panels installation optional
sidewise (distant) or forward-facing

- Striking display units for centralized product placement
- Maximum visibility at the POS
- Attractive and highly profitable solutions for gondola end placement
- The high capacity offers a profitable full assortment garnishing

Order No.	Height (cm)	Ground area (cm)	Hooks (incl.)	Hook length (cm) – 25	Hook length (cm) – 20	Hook length (cm) – 12
9026 300 190	165	99x54	184	54	130	-
9026 255 072*	163	38x38	72	-	72	-
9026 150 032*	65	38x38	32	-	-	32

Hook refills*

Order No.	Hook length
9006 255 220	20 cm
9006 255 225	25 cm

* Shipping unit: 20 pieces/box

If required, please contact your representative at VARTA Sales.

- Encourages impulse purchases in highly frequented consumer areas
- Can be used effectively even in inconvenient locations and small spaces
- Optional information panels (left and right)
- Optional basket for additional product placement

Order No.	Height (cm)	ground area (cm)	Hooks (incl.)	Hook length (cm)
9026 200 036	164	40x40	36	20
9026 200 054	164	60x40	54	20

Refill basket

Order No.	Height (cm)	Width (cm)	Depth (cm)
9026 210 060	12.5	58.5	22
9026 210 040	12.5	39	22

Side Panels (compatible with sales stand 9026 200 054 and 9026 200 036)

Order No.	Height (cm)	Width (cm)	Depth (cm)
9026 215 001	10.3	15.5	0.5

Hook refills*

Order No.	Hook length
9006 255 220	20 cm

*Shipping unit: 20 pieces/box

If required, please contact your representative at VARTA Sales.

GENERAL PURPOSE

RECHARGEABLE

PROFESSIONAL

BUTTON CELLS

FLASHLIGHTS

DISPLAY SYSTEMS

SPEARHEAD COUNTER DISPLAY



Metal Counter Display
9026 100 008
delivered empty



Metal Counter Display
9026 100 108
delivered empty



Metal Counter Display
9026 100 012
delivered empty



Metal Counter Display
9026 100 020
delivered empty

METAL SIDE RAILS (HANG-UP)



Set of 2 rails with 9 hooks per rail
9026 170 009



Set of 2 rails with 18 hooks per rail
9026 170 018

- Refillable display unit
- Compact and space-saving presentation

- Space saving and easy to handle
- Perfect for every shelf: can be placed everywhere
- Supports impulse purchase in high frequency areas
- Guarantees efficient product rotation

Order No.	Height (cm)	Ground area (cm)	Hooks (incl.)	Hook length (cm) – 10	Hook length (cm) – 20
9026 100 008	51.3	99x54	8	-	8
9026 100 108	51.3	17.5x27	8	8	-
9026 100 012	51.3	38x38	12	-	12
9026 100 020	80	38x38	20	-	20

Hook refills*

Order No.	Hook length
9006 255 215	15 cm
9006 255 220	20 cm
9006 295 210	10 cm

* Shipping unit: 20 pieces/box

Metal Sight Rails (Set of 2 rails, delivered empty)

Order No.	Height (cm)	Width (cm)	Hooks (incl.) per set	Hook length (cm)
9026 170 009	115	6.7	18	20
9026 170 018	115	14.3	36	20

If required, please contact your representative at VARTA Sales.

If required, please contact your representative at VARTA Sales.

GENERAL PURPOSE

RECHARGEABLE

PROFESSIONAL

BUTTON CELLS

FLASHLIGHTS

DISPLAY SYSTEMS

METAL SIDE RAILS (HANG UP) - HOOK FIXATION



Set of rails (5 Hooks per rail)
9026 172 005*
delivered empty



Set of rails (10 Hooks per rail)
9026 172 010*
delivered empty

- Space saving and easy to handle
- Perfect for every shelf: can be placed everywhere
- Supports impulse purchase in high frequency areas
- Guarantees efficient product rotation

Metal Side Rails (Set of 2 rails, delivered empty)

Order No.	Height (cm)	Width (cm)	Hooks (incl.) per set	Hook length (cm)
9026 172 005	72.5	7.7	10	20
9026 172 010	68.5	19.5	20	20

Hook refills*

Order No.	Hook length
9006 255 210	10 cm
9006 255 220	20 cm

* Shipping unit: 20 pieces/box

If required, please contact your representative at VARTA Sales.

METAL SIDE RAILS (HANG UP) - MAGNETIC FIXATION



Set of rail (5 Hooks)
9026 175 005*
with strong magnetic holder,
delivered empty



Set of rail (10 Hooks)
9026 175 010*
with strong magnetic holder,
delivered empty

- Space saving and easy to handle
- Perfect for every shelf: can be placed on all metal surfaces
- Supports impulse purchase in high frequency areas
- Guarantees efficient product rotation

Metal Side Rail (Set of 1 rail, delivered empty)

Order No.	Height (cm)	Width (cm)	Hooks (incl.)	Hook length (cm)
9026 175 005	68.5	9	5	10
9026 175 010	68.5	19.5	10	10

If required, please contact your representative at VARTA Sales.

GENERAL PURPOSE

RECHARGEABLE

PROFESSIONAL

BUTTON CELLS

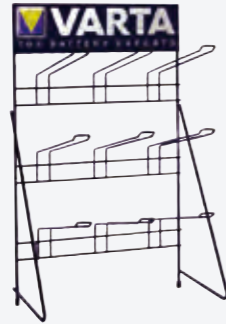
FLASHLIGHTS

DISPLAY SYSTEMS

DISPLAY BASIC LINE



Product basic display system for counter
9017 100 006



Product basic display system for counter
9017 100 009



Wall placement
9017 950 005



Floor placement
9017 200 040

- Simple and space-saving presentation of roundcells
- Maximum efficiency for secondary placements
- Encourages impulse purchases in highly frequented consumer areas

Order-Nr.	Height (cm)	Width (cm)	Depth (cm)	Hooks (fix)	Hooks length (cm)
9017 100 006	51	23.5	18	6	17
9017 100 009	51	31	22	9	20
9017 950 005	78.5	10	13	5	12
9017 200 040	164	40	35.5	40	20

If required, please contact your representative at VARTA Sales.

UNIVERSAL PRODUCT DISPLAY FOR SELF-SERVICE STORES



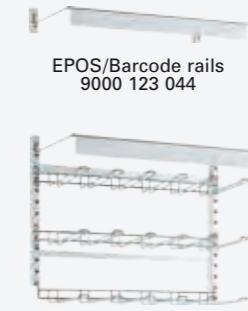
Basic module 140 cm*
9000 120 036



Shelf height 160 cm
1 x 9000 120 036
+1 x 9000 122 006



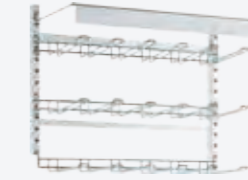
Shelf height 180 cm
1 x 9000 120 036
+1 x 9000 121 018



EPOS/Barcode rails
9000 123 044



Light strip
9000 123 004



Construction module 1
9000 121 018



Construction module 2
9000 122 006

- Product display unit in ready-to-assemble kit design
- Thanks to modular combinations, the height is adjustable from 140 cm to 220 cm
- No tools required for assembly

Order No.	Height (cm)	Width (cm)	Depth (cm)	Hooks (incl.)	Hook length (cm)
9000 120 036	140*	57	44.5	6 hooked racks with 6 hooks each 2 EPOS/Barcode rails	25

* Incl. crowner sign

Order No.	Height (cm)	Width (cm)	Depth (cm)	Hooks (incl.)	Hook length (cm)
9000 121 018	40	57	-	3 hooked racks with 6 hooks each 1 EPOS/Barcode rail	25
9000 122 006	20	57	-	1 hooked rack with 6 hooks	25
9000 123 044*	-	57	-	-	-
9000 123 004**	-	57	-	4 adjustable hooks	25

* Shipping unit: 4 scanning rails/box
** Shipping unit: 4 light strips/box

If required, please contact your representative at VARTA Sales.

GENERAL PURPOSE

RECHARGEABLE

PROFESSIONAL

BUTTON CELLS

FLASHLIGHTS

DISPLAY SYSTEMS

FLASHLIGHT TESTING STATION | PRODUCT DISPLAY SYSTEMS FOR BUTTON CELLS



Flashlight Testing Station
9016 930 001
delivered empty



Counter display for watch cells
9016 800 001
delivered empty

- High valuable acrylic counter display providing an attractive flashlight testing possibility for customers at the POS
- Can be also easily integrated within a hooks shelf as it can be fixed with two hooks and two cable ties to the back wall
- Made for 5 flashlights
- Includes materials to fix the flashlights against shop lifting + two cable ties
- Flashlights and the info panel with explanations to the specific flashlight have to be added individually

- Individual product systems especially for watch cells

Testing Station

Order No.	Height (cm)	Width (cm)	Depth (cm)
9016 930 001	130	460	345

Support for pag walls

Order No.
9016 700 002

Order No.	Height (cm)	Width (cm)	Depth (cm)
9016 800 001	3.8	28.7	21.8

If required, please contact your representative at VARTA Sales.

CLIP STRIPS PLASTIC | CLIP STRIPS CARDBOARD



Clip Strip Empty
9050 112 002
delivered empty



Clip Strip 97600 HE AA/AAA
97600 121 801
delivered garnished



Clip Strip 97600 HE AA
97600 121 811
delivered garnished



Clip Strip 97601 HE AAA
97601 112 811
delivered garnished

- Space saving and easy to handle
- Perfect for every shelf: can be placed everywhere
- Supports impulse purchase in high frequency areas
- Guarantees efficient product rotation

Clip Strips Plastic (empty)

Type	Clip Strips per packaging	Batteries per Blister	Packaging size						EAN/GTIN Consumer unit	Order No.
			Width (mm)	Height (mm)	Depth (mm)	Weight (g)				
Clip Strip Empty (to fit 10 blister per clip strip) Size of clip strip 820 x 65mm	10	-	240	78	297	548	40 08496 714 97 1	9050 112 002		

Clip Strips Cardboard (including batteries)

Type	Content: Blister per Innercarton	Batteries per Blister	Packaging size						EAN/GTIN Consumer unit	Order No.
			Width (mm)	Height (mm)	Depth (mm)	Weight (g)				
Clip Strip 97600 HE AA/AAA	8 x AAA 12 x AA	4	160	142	172	1772	40 08496 63086 8	97600 121 801		
Clip Strip 97600 HE AA	20 x AA	4	160	142	172	2176	40 08496 66680 5	97600 121 811		
Clip Strip 97601 HE AAA	20 x AAA	4	160	142	172	1186	40 08496 66613 3	97601 112 811		

If required, please contact your representative at VARTA Sales.

GENERAL PURPOSE

RECHARGEABLE

PROFESSIONAL

BUTTON CELLS

FLASHLIGHTS

DISPLAY SYSTEMS

BULK DISPLAYS (CARDBOARD AND METAL)

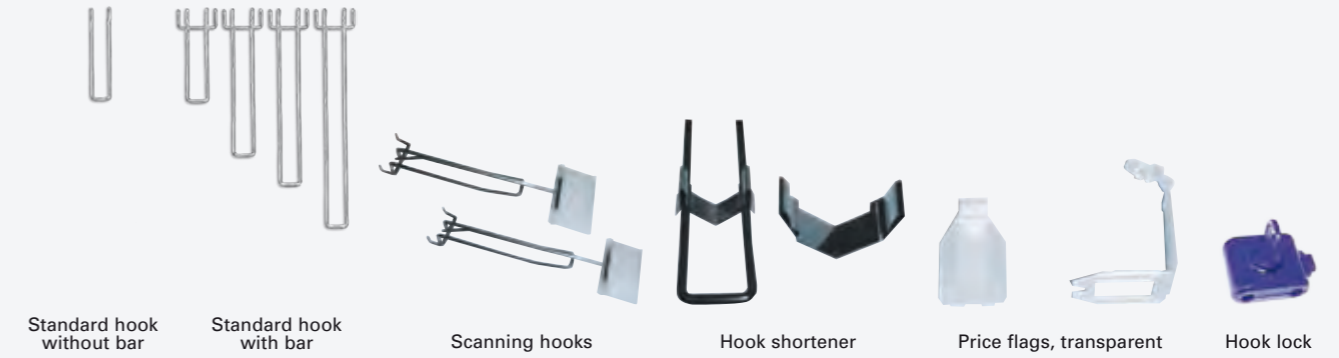


Low cost bulk display empty
98000 112 811



Cardboard bulk display empty
98000 112 801

PRODUCT DISPLAY UNIT ACCESSORIES



– Empty bulk display: made of cardboard

Type	Width (mm)	Height (mm)	Depth (mm)	Weight (g)	EAN/GTIN Consumer unit	Order No.
Low cost bulk display empty*	585	785	800	4600	40 08496 66652 2	98000 112 811
Bulk display empty cardboard*	520	800	600	3495	40 08496 63322 7	98000 112 801

*Dimensions for assembled displays

If required, please contact your representative at VARTA Sales.

Order No.	Type	Hook length (cm)	Shipping unit pieces/box	Dimensions (cm)
9006 255 210	Standard hook without bar	10	20	-
9006 295 210	Standard hook with bar	10	20	-
9006 255 215	Standard hook with bar	15	20	-
9006 255 220	Standard hook with bar	20	20	-
9006 255 225	Standard hook with bar	25	20	-
9006 256 220	Scanning hooks	20	30	5.2 x 4 Scanner bag
9006 256 225	Scanning hooks	25	30	5.2 x 4 Scanner bag
9000 036 060	Hook shortener	-	50	-
9000 033 005	Price flags, transparent	-	100	2.7 x 2.7
9016 700 001	Hook lock	-	10 pcs. / poly bag	5 x 2 x 3.5

If required, please contact your representative at VARTA Sales.

GENERAL PURPOSE

RECHARGEABLE

PROFESSIONAL

BUTTON CELLS

FLASHLIGHTS

DISPLAY SYSTEMS



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