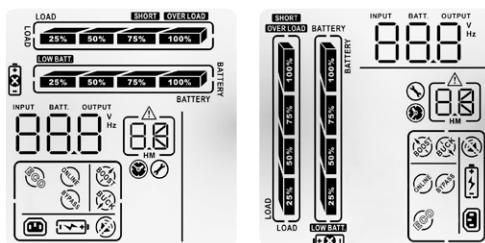




Mantis RT

LCD Display Panel



Rack display

Tower display

- **Microprocessor-based line interactive design**

Mantis RT UPS is designed with microprocessor controller for fast response to power disturbances.

- **Pure sine wave output**

With pure sine wave output, Mantis RT series guarantees compatibility for all kinds of loads. It's perfect power protection for versatile applications such as networking, telecom and other mission-critical applications.

- **User-friendly and easy-shift LCD display**

The front panel digital display can be easily shifted through LCD setting to suit the installation format, vertically stand or flat wall mount.

- **Rack/Tower design**

Mantis RT series is designed in true 2U universal-mount case. It can be easily installed as floor-standing tower or in 19-inch rackmount bracket.



- **Built-in boost and buck AVR**

With built-in voltage regulator, the UPS will maintain regulated nominal output without using battery power during brownouts and overvoltages.

- **Output power factor 0.8**

Mantis RT is a high-density UPS with output power factor 0.8 to provide higher performance and efficiency to critical applications.

- **Hot-swappable battery design**

This design ensures clean and uninterruptible power to protected equipment during battery replacement.

- **Programmable power management outlets**

With programmable power management outlets, users can easily and independently control load segments. During power failure, this feature enables users to extend battery time to mission-critical devices by shutting down the non-critical devices.



Programmable Outlets (P1)
- connect to non-critical devices

- **ECO operation for energy saving (Efficiency Corrective Optimizer)**

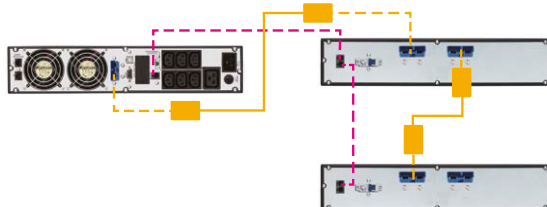
The ECO function allows cost-effective operation of UPS Systems as high as 98%. In this operation mode, load is supplied by the mains. In the event of a mains failure, the inverter takes over the load and provides supply continuity to the connected systems.

- **Emergency Power Off Function (EPO)**

This feature can secure the personnel and equipment in case of fires or other emergencies.

- **EXB Battery extensions available**

To provide longer backup time, we also offer EXB Battery extensions for Mantis RT series.



- **Multiple communication available**

- USB port
- RS-232 port
- SNMP slot (option)

We also offer free monitoring software, NEXTVision, downloaded from the internet. This advanced and networking software supports various operating systems and multiple languages.

Mantis RT Line Interactive UPS Selection Guide

MODEL		Mantis 800 RT2U	Mantis 1100 RT2U	Mantis 1500 RT2U	Mantis 2000 RT2U	Mantis 2500 RT2U	Mantis 3000 RT2U
CAPACITY		800 VA / 640 W	1100 VA / 880 W	1500 VA / 1200 W	2000 VA / 1600 W	2500 VA / 2000 W	3000 VA / 2400 W
INPUT							
Voltage		110/120 VAC or 208/220/230/240 VAC					
Acceptable Voltage Range		81-145 VAC or 162-290 VAC					
Frequency Range		60/50 Hz (auto sensing)					
OUTPUT							
Output Voltage		110/120 VAC or 208/220/230/240 VAC					
Voltage Regulation (Batt. Mode)		± 3 % (before battery alarm)					
Frequency Range (Batt. Mode)		50 Hz or 60 Hz ± 1 Hz					
Current Crest Ratio		3:1					
Harmonic Distortion		8% max @ 100% linear load, 15% max @ 100% non-linear load (before alarm)					
Transfer Time		Typical 2-6 ms, 10ms max.					
Waveform (Batt. Mode)		Pure Sinewave					
EFFICIENCY							
AC Mode		97%		97%		97%	
Buck & Boost Mode		90%		90%		90%	
Battery Mode		83%		85%		87%	
BATTERY							
Standard Model	Type & Number	12 V/7 Ah x 2	12 V/9 Ah x 2	12 V/7 Ah x 4	12 V/9 Ah x 4	12 V/7 Ah x 6	12 V/9 Ah x 6
	Charging Voltage	27.4 VDC ± 1%		54.8 VDC ± 1%		82.1 VDC ± 1%	
	Typical Recharge Time	4 hours recover to 90% capacity					
PROTECTION							
Full Protection		Overload, discharge, and overcharge protection					
INDICATORS							
LCD Display		AC Mode, Battery Mode, Load Level, Battery Level, Input Voltage, Output Voltage, Overload, Fault, and Low Battery					
ALARM							
Battery Mode		Sounding every 10 seconds					
Low Battery		Sounding every second					
Overload		Sounding every 0.5 second					
Fault		Continuously sounding					
PHYSICAL							
Standard Model	Dimension, DxWxH (mm)	380 x 438 x 88		480 x 438 x 88		600 x 438 x 88	
	Net Weight (kgs)	12.9	14.23	21.08	23.1	30.65	32.24
ENVIRONMENT							
Humidity		0-90 % RH @ 0- 40°C (non-condensing)					
Noise Level		Less than 45dB					
MANAGEMENT							
Smart RS-232/USB		Supports Windows ² 2000/2003/XP/Vista/2008, Windows ² 7, Linux, Unix, and MAC					
Optional SNMP		Power management from SNMP manager and web browser					
NEXT PARTNUMBERS							
MANTIS RT		44221	44222	44223	44224	44225	44226
MANTIS EXB RT (Battery extension)		44227	44228	44229	44230	44231	44232
NEXT 5+ Warranty Extension (UPS)		11004	11004	11006	11006	11007	11007
NEXT 5+ Warranty Extension (EXB)		11013	11013	11013	11013	11014	11014
SNMP/Web Interface		99002	99002	99002	99002	99002	99002

Product specifications are subject to change without further notice