# Platimax

# Platimax

## Power Supply Series

- **Peak power up to 1800W**
- **Highly efficient PSU with 90-94% efficiency**
- **Compact & Full modular cable design**

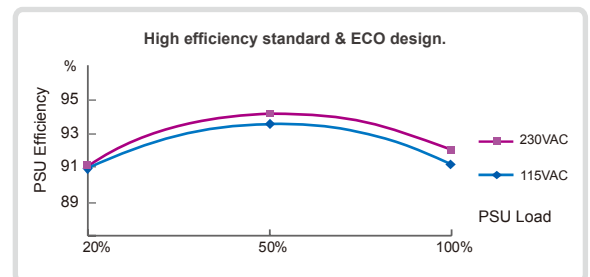**real ErP Lot 6 ready**

**5 YEARS WARRANTY**

**EPM1700EGT**

EPM1700EGT is a powerful 1700W (1800W peak) full modular cable design ATX power supply in an astonishing 180mm case. Robust 6 set of +12V rails ensures the users with a premier safety requirement and exceptional high-end component compatibility (SLI and CrossFire supported). EPM1700EGT is especially designed for high voltage input area (220-240Vac) with remarkable 90-94% efficiency, achieving 80 PLUS Platinum level. Ideal for heavy duty workstation PCs or multiple VGA gaming machines.
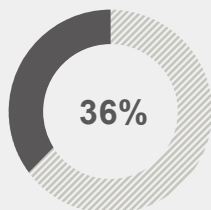
## Features

### 90PLUS Ready

High efficiency PSU with 90-94% efficiency @ 20-100% load. Achieving 80 PLUS Platinum level

**90 PLUS READY**

**High efficiency standard & ECO design.**

PSU Efficiency %

95
93
91
89

230VAC
115VAC

20%     50%     100%     PSU Load

**PSU +5Vsb efficiency @ 0.045A load, 230VAC**

**> 50%** as Intel Suggests

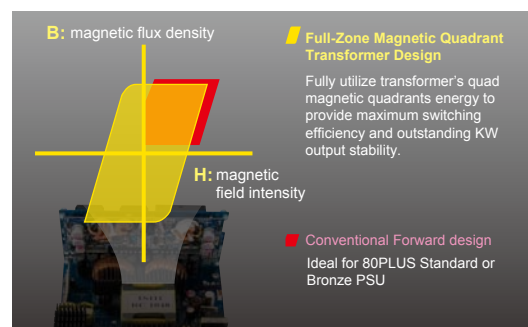ENERMAX 2013 ErP Lot 6 Compliant PSU

**36%**

Non 2013 ErP Lot 6 Compliant PSU

### 2013 ErP Lot 6

Help system meet 2013 ErP Lot 6 (< 0.5W at standby mode) with high efficiency +5Vsb circuitry. (With 2013 ErP Lot 6 enabled motherboard)
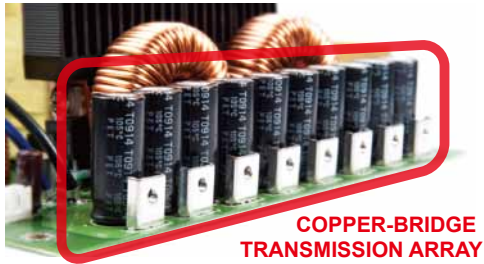
### FMQ Design

Fully utilize transformer's quad magnetic quadrants energy to provide maximum switching efficiency and outstanding stability

**B:** magnetic flux density

**Full-Zone Magnetic Quadrant Transformer Design**

Fully utilize transformer's quad magnetic quadrants energy to provide maximum switching efficiency and outstanding KW output stability.

**H:** magnetic field intensity

**Conventional Forward design**
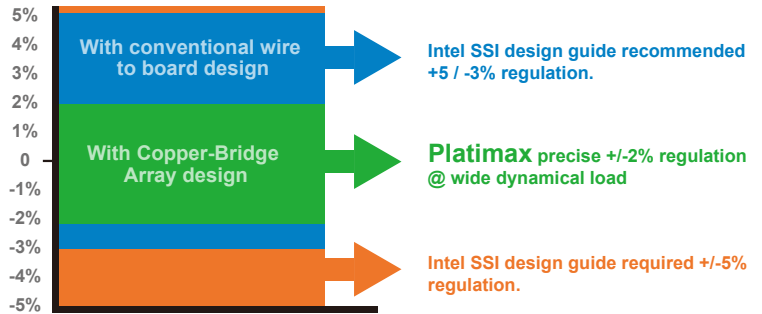
Ideal for 80PLUS Standard or Bronze PSU

## Copper-Bridge Array Transmission

ENERMAX Copper-Bridge Array designs create wider conduction path greatly helps reduce airflow resistance, voltage drop and energy loss



**COPPER-BRIDGE TRANSMISSION ARRAY**

1. > x4 wider & shorter transmission path
2. 60% better than PSDG requirements
3. Offer system stable and clean DC output

**DC Regulation**



| | |
|---|---|
| With conventional wire to board design | Intel SSI design guide recommended +5 / -3% regulation. |
| With Copper-Bridge Array design | **Platimax** precise +/-2% regulation @ wide dynamical load |
| | Intel SSI design guide required +/-5% regulation. |

5%, 4%, 3%, 2%, 1%, 0, -1%, -2%, -3%, -4%, -5%

## Extreme Density Transformer

Innovative design boosts transformer core utilization rate and reduce overall dimension

1. Extreme power density performance
2. 50% space saving than conventional design
3. Excellent heat dissipation
4. Low air resistance and less air friction noise





## Zero load ready!

DC to DC circuit ensures tight DC output regulation to support latest CPU and GPU peak power & zero load energy saving mode

## 100% 105°C Japanese electrolytic capacitors

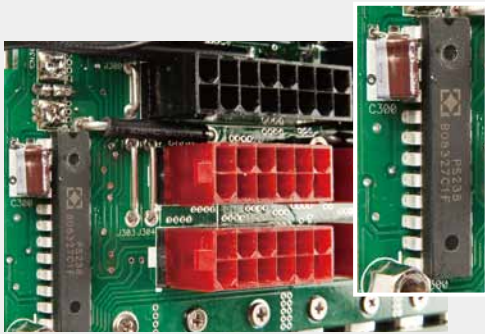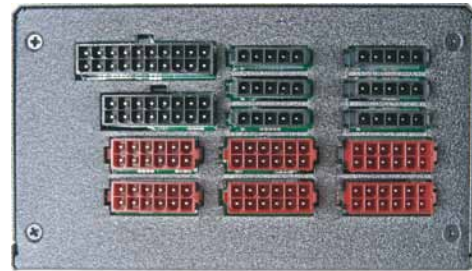Highest components standards for maximum durability and stability

## 100% 6+2P (8P) PCI-E Connector

New generation graphics cards supported with 100% 6+2P (8P) PCI-E connector. Best solution for setting up SLI or CrossFire gaming system

## Full Modular & Flat Modular Cable Design

Full modular cable design for easy peripheral settings. Flat peripheral cables facilitate system installation, reduce cable clutter, and enhance internal airflow and cooling performance

## SafeGuard
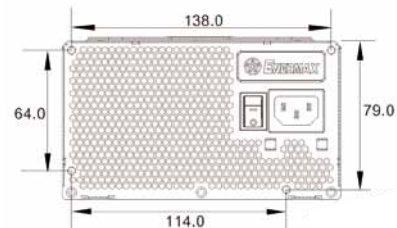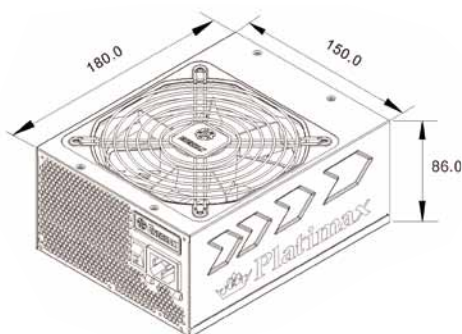
Industry-leading multiple protection circuitry of OCP, OVP, UVP, OPP, OTP, SCP & SIP

## Enhanced Heatsink

Unique one-piece shape design ensures uniform heat distribution and increases air flow

## Dimensions

unit:mm

180.0
150.0
86.0

138.0
64.0
79.0
114.0

## Specifications

| Modular Cables \ Model | | EPM1700EGT |
|---|---|---|
| 2 x PCI-E 6+2 Pin | | 5 x 500mm |
| 8P & 4P 12V CPU/RAM | | 1 x 600mm |
| 4 x SATA | | 3 x 450/600/750/900mm |
| 4 x 4P Molex + FDD | | 2 x 450/600/750/900/1050mm |
| 2 x SATA + 2 x 4P Molex | | 1 x 450/600/750/900mm |
| 24P & 8P MB/CPU | | 1 x 600/650mm |

## Specifications

| Model | | EPM1700EGT | |
|---|---|---|---|
| AC Input | | 220-240VAC, Active PFC | |
| | | 50-60Hz | |
| Input Current | | 9.0-8.0A | |
| DC Output | | | |
| | | Rated | Combined |
| 3.3V | | 25A | 140W |
| 5V | | 25A | |
| 12V1 | | 20A | 1692W (141A) |
| 12V2 | | 20A | |
| 12V3 | | 30A | |
| 12V4 | | 30A | |
| 12V5 | | 30A | |
| 12V6 | | 30A | |
| -12V | | 0.5A | 6W |
| +5Vsb | | 4A | 20W |
| Total Power | | 1700W | |
| Dimension | | 150(W) x 86(H) x 180(D)mm | |

EAC  CE  TÜV  RCM  WEEE  RoHS  10

| Logistic Information | | |
|---|---|---|
| Bar code | EAN | 4713157721150 |
| Box dimension | | 357 x 281 x 108mm |
| Gross Weight / unit | | 4.95kgs |
| Carton dimension | | 387 x 353 x 308mm |
| Q'ty / carton | | 3pcs |
| Gross Weight / carton | | 14.85kgs |

ENERMAX
POWER. INNOVATION. DESIGN.

Jan. 2016