

# Platimax D.F.

Power Supply Series



- ▶ **Semi-Fanless Mode for ultra-silent operation**
- ▶ **Patented Dust Free Rotation (DFR™) technology**  
Reducing dust on the PSU fan blades
- ▶ **Full modular SLEEMAX™ cables**  
Individually sleeved cables



The Platimax D.F. power supply series is 80 PLUS® Platinum certified and comes in a compact 160mm depth casing, featuring SLEEMAX™, full modular and individually sleeved cables. Platimax D.F. has a patented build in DFR™ (Dust Free Rotation) technology, which activates at start up to prevent dust accumulation on the fan blades. With the D.F. Switch users can activate the DFR™ function manually at any time. The smart semi-fanless design keeps the fan from running at lower system loads ensuring silent operation.

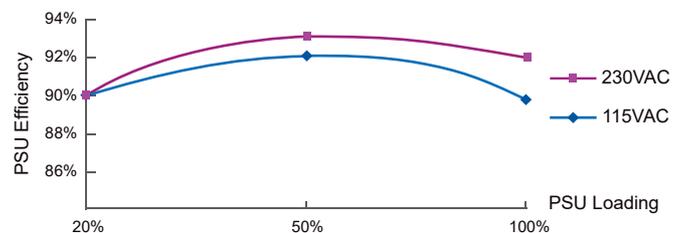


1200W/1050W: 30%

## Features

- ▶ **80 PLUS® Platinum Certified**  
Meets 80 PLUS® Platinum standard with 89-93% efficiency @ 20-100% load.

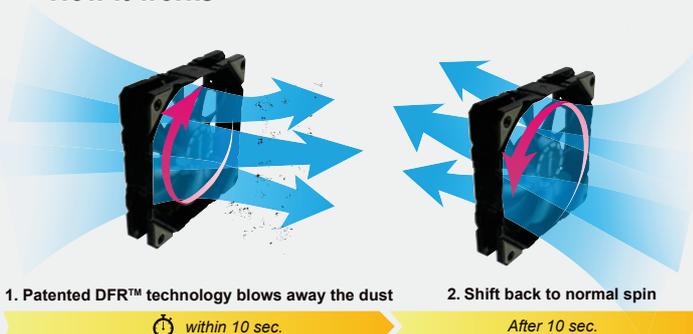
### High efficiency standard & ECO design



- ▶ **Patented Dust Free Rotation (DFR™) technology**

The Dust Free Rotation technology enables the fan to prevent dust accumulation to prolong the lifespan of the PSU.

### How it works



### Practical application

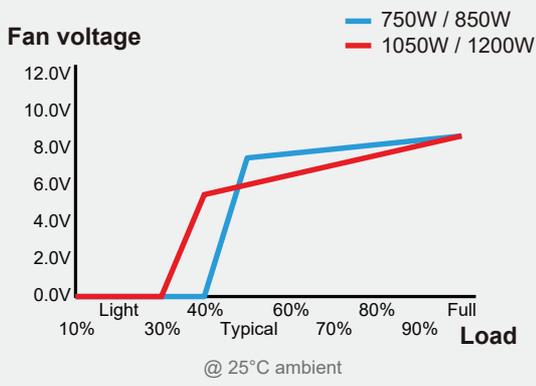
After 6 months



With DFR™ technology



Without DFR™ technology  
(more dust accumulates)



**Smart semi-fanless control**

Fanless mode before 30%~40% of system load for silent operation. Once surpassing the pre-defined limit, the fan starts to spin and the fan RPM is automatically regulated according to the system load

**D.F. Switch**

A switch at the back of the PSU enables users to activate DFR™ technology at any time during operation.



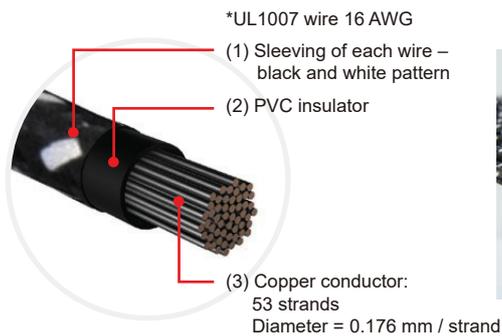
**Patented Twister Bearing Fan**

13.9cm fan with patented Twister Bearing Technology ensures ultra silent cooling and long lifetime of the fan (160,000 hours MTBF).

**SLEEMAX™**

Stylish individually sleeved cable, with high quality fabric to achieve a smooth, soft texture.

\*MB / CPU / PCI-E=16AWG (53 strands\*0.176mm)  
\*SATA / 4P Molex=18AWG (34 strands\*0.176mm)

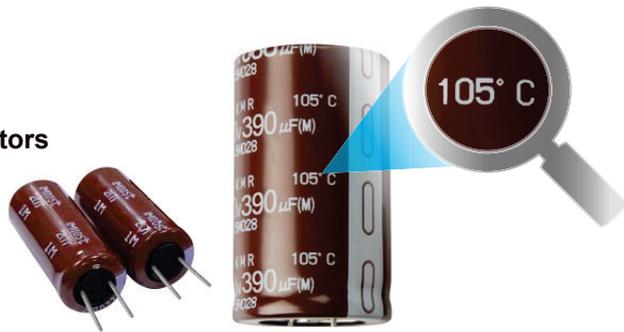


**Full Modular Design**

Full modular cable design for flexible system installation and easy cable management.

**100% 105°C Japanese Electrolytic Capacitors**

Highest component standards for maximum durability and stability.



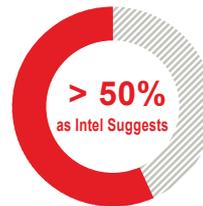
**Zero Load ready!**

DC to DC converter circuit ensures stable output voltage and delivers higher efficiency.

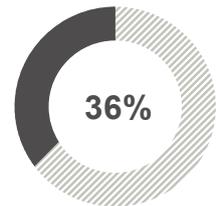
**2014 & 2013 ErP ready!**

<0.5W power consumption at standby mode (with 2013 ErP Lot 6 enabled motherboard). Compliant with 2013 ErP Lot 6 & 2014 ErP Lot 3 standards.

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



ENERMAX 2013 ErP Lot 6 Compliant PSU



Non 2013 ErP Lot 6 Compliant PSU

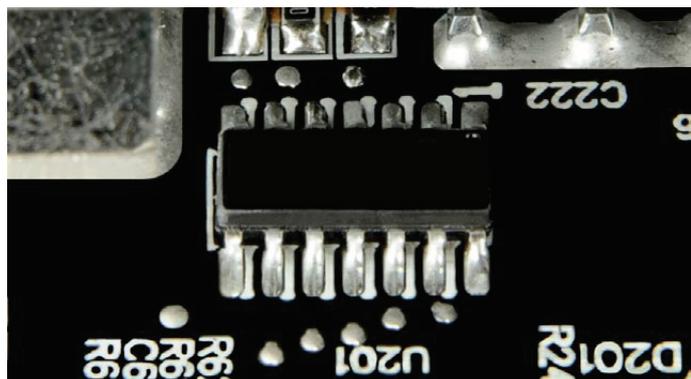


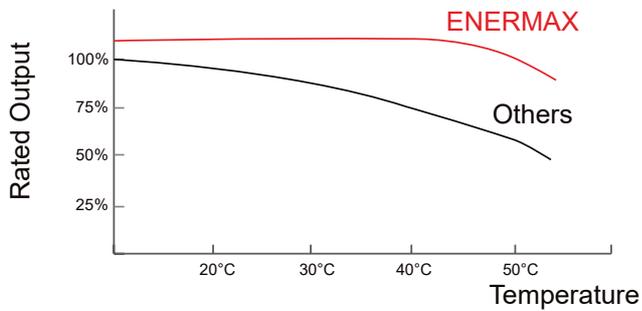
**World ready**

100-240VAC auto-adjustment input for universal use. Active PFC with PF value up to 0.99, reducing the reactive power loss to a minimum.

**SafeGuard**

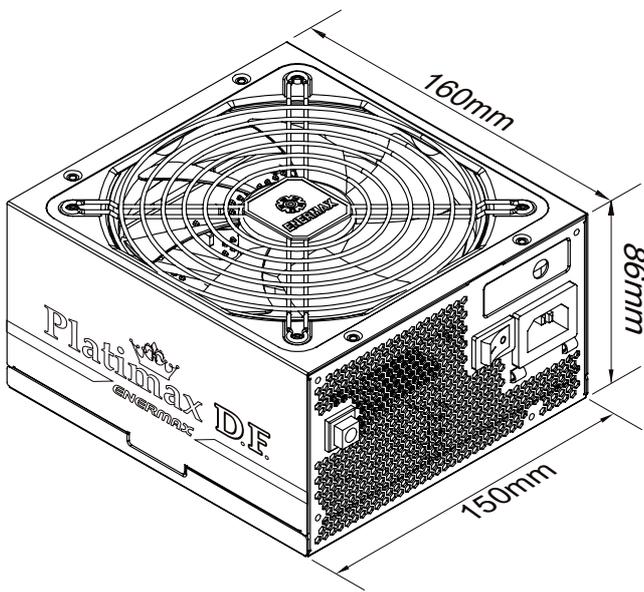
Multiple protection circuitry of OCP, OVP, UVP, OTP, OPP, SCP and SIP protects your system.



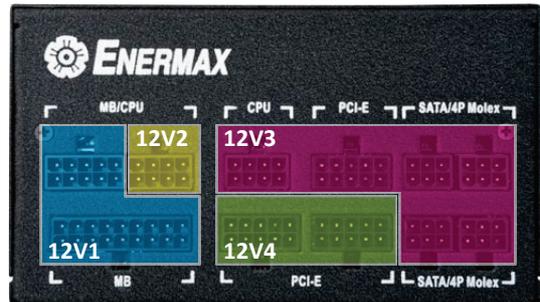


**24/7 @ 50°C ready!**  
 Non-Stop industrial class performance at 50°C ambient temperature.

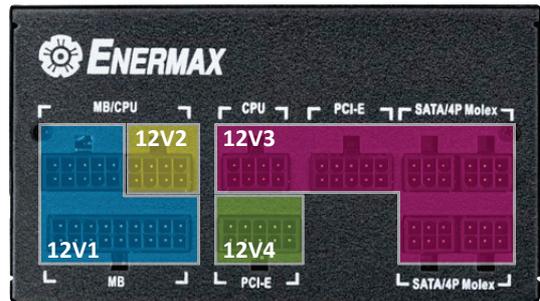
### Dimensions



### 12V Rails Distribution



850W / 1050W / 1200W



750W

This product includes multiple 12V rails with individual over current protection. Please divide the load between the 12V rails to prevent triggering the over current protection. Graphic cards with multiple PCI-E connectors can be splitted between 12V3 and 12V4 sockets.

### Cables & Connectors

| Model      |                |               |        |                 |               |               |               |
|------------|----------------|---------------|--------|-----------------|---------------|---------------|---------------|
|            | 20+4P (24P) MB | 4+4P (8P) CPU | 8P CPU | 6+2P (8P) PCI-E | SATA          | 4P Molex      | FDD (adapter) |
|            | 60cm           | 70cm          | 70cm   | 60cm            | 50/65/80/95cm | 50/65/80/95cm | 10cm          |
| EPF750EWT  | 1              | 1             | 1      | 4               | 12            | 4             | 1             |
| EPF850EWT  | 1              | 1             | 1      | 6               | 12            | 4             | 1             |
| EPF1050EWT | 1              | 1             | 1      | 6               | 12            | 4             | 1             |
| EPF1200EWT | 1              | 1             | 1      | 6               | 12            | 4             | 1             |

## Specifications

| Model Number   | EPF750EWT                   |               | EPF850EWT     |               | EPF1050EWT    |                | EPF1200EWT |                 |
|--|-----------------------------|---------------|---------------|---------------|---------------|----------------|------------|-----------------|
| AC Input Voltage   | 100-240VAC, 47-63Hz         |               |               |               |               |                |            |                 |
| AC Input Current   | 10A-5A                      |               | 12A-6A        |               | 13A-6A        |                | 15A-7A     |                 |
| DC Output  |                             |               |               |               |               |                |            |                 |
|  | Rated                       | Combined      | Rated         | Combined      | Rated         | Combined       | Rated      | Combined        |
| +3.3V  | 20A                         | 100W          | 20A           | 100W          | 22A           | 120W           | 25A        | 130W            |
| +5V  | 20A                         |               | 20A           |               | 22A           |                | 25A        |                 |
| +12V1  | 25A                         | 744W<br>(62A) | 25A           | 840W<br>(70A) | 25A           | 1044W<br>(87A) | 25A        | 1200W<br>(100A) |
| +12V2  | 25A                         |               | 25A           |               | 25A           |                | 25A        |                 |
| +12V3  | 35A                         |               | 40A           |               | 40A           |                | 40A        |                 |
| +12V4  | 35A                         |               | 40A           |               | 40A           |                | 40A        |                 |
| -12V   | 0.3A                        | 3.6W          | 0.3A          | 3.6W          | 0.3A          | 3.6W           | 0.3A       | 3.6W            |
| +5Vsb  | 3A                          | 15W           | 3A            | 15W           | 3A            | 15W            | 3A         | 15W             |
| Total power  | 750W                        |               | 850W          |               | 1050W         |                | 1200W      |                 |
| Peak power   | 825W                        |               | 935W          |               | 1155W         |                | 1320W      |                 |
| Dimensions   | 160(D) x 150(W) x 86(H) mm  |               |               |               |               |                |            |                 |
|  |                             |               |               |               |               |                |            |                 |
| <b>Shipping Information</b>  |                             |               |               |               |               |                |            |                 |
| Model  | EPF750EWT                   |               | EPF850EWT     |               | EPF1050EWT    |                | EPF1200EWT |                 |
| Bar code   | EAN                         | 4713157722874 | 4713157722881 | 4713157722898 | 4713157722904 |                |            |                 |
|  | UPC                         | 816163009152  | 816163009169  | 816163009176  | 816163009183  |                |            |                 |
| Box dimensions   | 330(D) x 220(W) x 125(H) mm |               |               |               |               |                |            |                 |
| Gross Weight / unit  | 3.4kg                       |               | 3.45kg        |               | 3.54kg        |                | 3.55kg     |                 |
| Carton dimensions  | 540(D) x 365(W) x 255(H) mm |               |               |               |               |                |            |                 |
| Q'ty / carton  | 4                           |               |               |               |               |                |            |                 |
| Gross Weight / carton  | 14.8kg                      |               | 15kg          |               | 15.36kg       |                | 15.4kg     |                 |