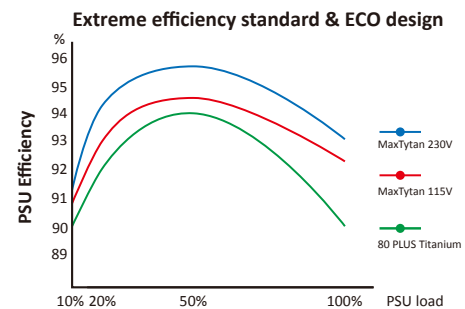# MaxTytan

Power Supply Series

- ◣ **80 PLUS® Titanium with over 94% efficiency**
- ◣ **D.F. switch for users to activate DFR™ tech. anytime during operation**
- ◣ **Fanless mode before 55% of system load for silent operation**

MaxTytan 750W & 800W are 80 PLUS Titanium certified with over 94% extreme efficiency (@ 50% load). The new lineup features fully modular design with 100% SLEEMAX individually sleeved cables. MaxTytan is equipped with Dust Free Rotation (DFR™) tech. to make the PSU fan perform a self-cleaning spin for 10 seconds upon startup to blow away the accumulated dust. Besides, the unique D.F. switch allows users to activate DFR tech. anytime during operation. Last but not least, smart semi-fanless control ensures absolute silent performance with 0 dBA before 55% system load (at 25°C ambient). MaxTytan 750W & 800W are ideal for advanced gaming rigs and multi-GPU systems.

Dust Free Rotation | **Twister Bearing Fan** | **55% Fanless** | **D.F. Switch** | **Individual Sleeved** | **80 PLUS TITANIUM**
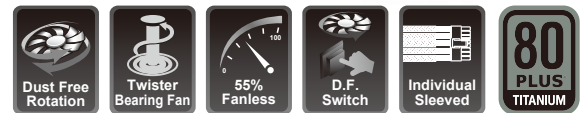
Features

◣ 80 PLUS® Titanium certified
Meet 80 PLUS® Titanium standard with 90-94% superb efficiency @ 10-100% load

Extreme efficiency standard & ECO design

PSU Efficiency (%): 96, 95, 94, 93, 92, 91, 90, 89

- MaxTytan 230V
- MaxTytan 115V
- 80 PLUS Titanium

PSU load: 10% 20% — 50% — 100%

◣ Dust Free Rotation Tech. (patented)
Dust Free Rotation technology enables the fan to instantly blow away the dust to prolong the lifespan

○ How it works
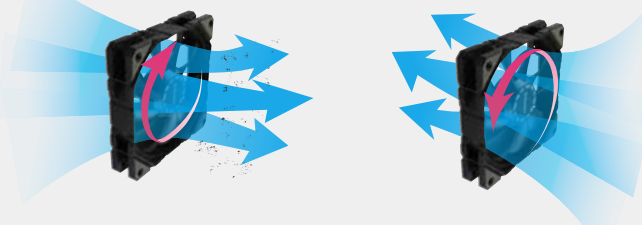
1. Patented DFR™ technology blows away the dust
⏱ within 10 sec.

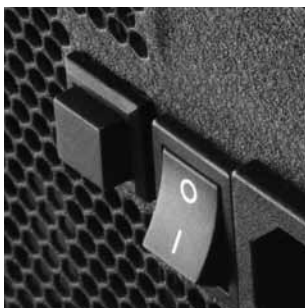2. Shift back to normal spin
After 10 sec.

○ Practical application

After 6 months

With DFR™ technology

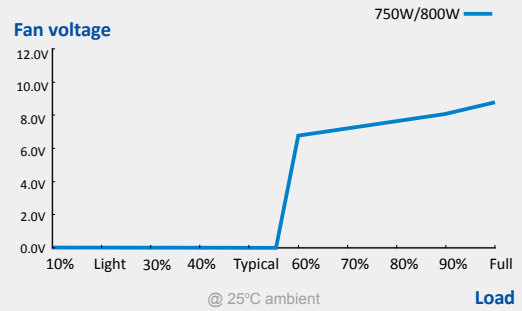Without DFR™ technology (more dust accumulates)

◣ D.F. switch
The design enables users to activate DFR self-cleaning tech. at any time during operation

Smart semi-fanless control

Fanless mode before 55% 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
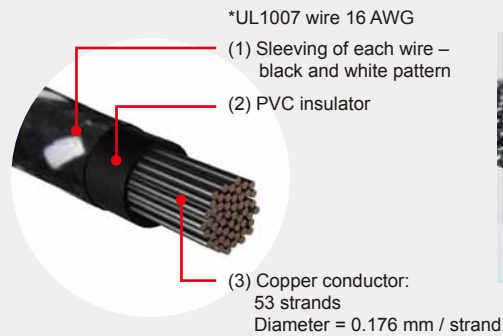
Fan voltage

750W/800W

12.0V
10.0V
8.0V
6.0V
4.0V
2.0V
0.0V

10% Light 30% 40% Typical 60% 70% 80% 90% Full

@ 25ºC ambient

Load

TWISTER BEARING

MTBF ≧ 160k hours

Twister Bearing fan (patented)

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

SLEEMAX

All stylish individual sleeved cables, made with carefully selected fabric to achieve a smooth, soft texture

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

*UL1007 wire 16 AWG

(1) Sleeving of each wire – black and white pattern

(2) PVC insulator

(3) Copper conductor: 53 strands
Diameter = 0.176 mm / strand

Full modular design

Full modular cable design facilitates flexible system installation and cable management

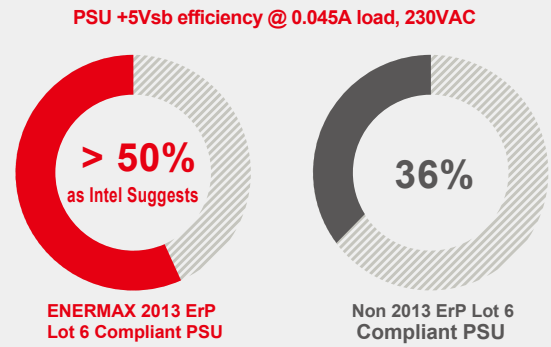## 100% 105°C Japanese electrolytic capacitors

Highest component standards for maximum durability and stability

105° C
390 µF(M)
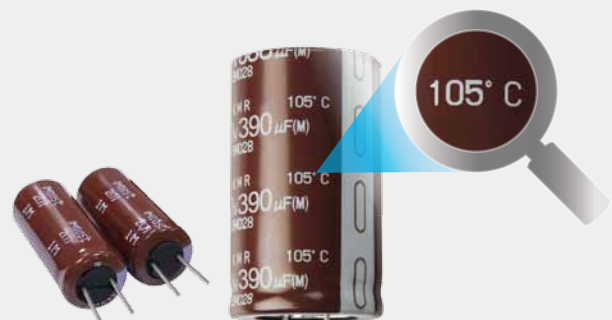
Zero load ready!
DC to DC converter circuit ensures stable output voltage and delivers higher efficiency

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

> 50%
as Intel Suggests

36%

ENERMAX 2013 ErP Lot 6 Compliant PSU

Non 2013 ErP Lot 6 Compliant PSU

100-240VAC

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 the minimum

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

Rated Output

ENERMAX

100%

75%

Others

50%

25%

20°C   30°C   40°C   50°C

Temperature
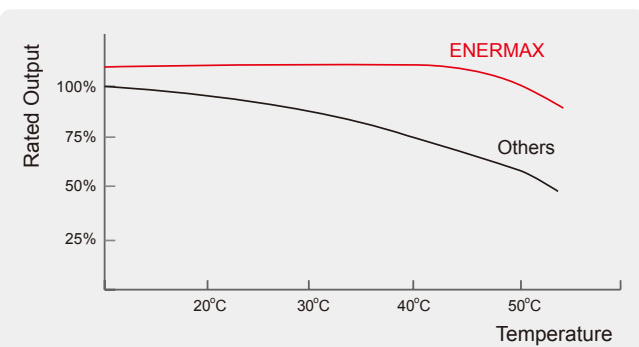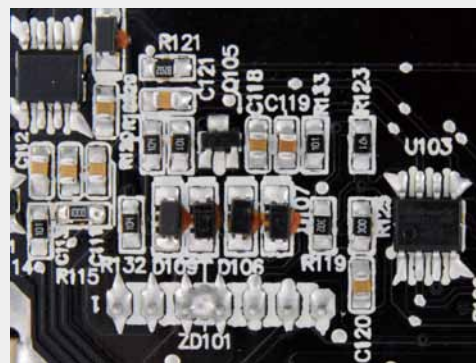
Fully continuous output @ 50°C
Industrial class performance at 50°C ambient

Dimensions

unit:mm

150 mm · 180 mm · 86mm
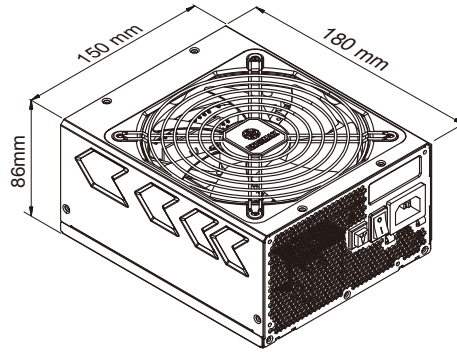
Cables & Connectors

Model	20+4P(24P) MB	4+4P(8P) CPU	8P CPU	6+2P(8P) PCI-E	SATA	4P Molex	FDD(adapter)
	60cm	60cm	60cm	60cm	50/65/80/95cm	50/65/80/95cm	10cm
EMT750EWT	1	1	1	6	12	4	1
EMT800EWT	1	1	1	6	12	4	1

Specifications

Model Number	EMT750EWT		EMT800EWT	
AC Input Voltage	100-240VAC, 47-63Hz			
AC Input Current	10A-5A		12A-6A	
DC Output				
	Rated	Combined	Rated	Combined
+3.3V	20A	100W	20A	100W
+5V	20A		20A	
+12V	62.5A	750W	66.5A	798W
-12V	0.3A	3.6W	0.3A	3.6W
+5Vsb	3A	15W	3A	15W
Total power	750W		800W	
Peak power	825W		880W	
Dimensions	180(D)*150(W)*86(H) mm			

CE · TÜVRheinland Type Approved Safety Regular Produktart Services/Based CERTIFIED · TÜVRheinland · FC · R43028 RoHS · CCC · EAC · X · 10

Shipping Information				
Bar code	EAN:4713157722744 UPC:816163008964		EAN:4713157722737 UPC:816163008957	
Box dimensions	351(D)*264(W)*159(H) mm			
Gross Weight / unit	4.5kg		4.5kg	
Carton dimensions	505(D)*380(W)*295(H)mm			
Q'ty / carton	3			
Gross Weight / carton	15kg		15kg	

ENERMAX POWER. INNOVATION. DESIGN.

Aug. 2017