

# Platimax Power Supply Series



1000W

# Platimax



## FEATURES

**89PLUS ready!:** World's leading modular cables PSU series with 89-94% efficiency @ 20-100% load. Compliant with 80 PLUS® Platinum standard.

**ErP Lot 6 ready!:** Help system meet ErP Lot 6 2010 (< 1W at standby mode) with high efficiency +5Vsb circuitry. (With ErP Lot 6 enabled motherboard.)

**High compatibility ready!:** Single rail +12V output highly compatible with various types of high-end graphics card at full-load operation.

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

**World ready!:** 100-240VAC in with automatic adjustment and active PFC for global usage.

**C6 & Hybrid ready!:** Maximum compatibility with C6 & hybrid states of current and future CPU & GPU generations by ZERO LOAD Design.

**DXDI ready!:** 100% 6+2P (8P) PCI-E connectors to support new generation DXDI graphic cards.

**Future ready!:** 12P modular design for possibly upcoming new CPU and GPU 10P and/or 12P connectors.

**SERVER ready!:** SSI PSDG support for latest Intel® Core™ Extreme/i7, Xeon™ and AMD® Opteron™ and SLI® or CrossFireX™ and downward compatible with EPS12V v2.92, v2.8.

**HeatGuard:** Keeping PSU fan running for 30-60 seconds after shut down to dissipate the remaining system heat and prolong system lifetime.

**SafeGuard:** Industry-leading multiple protection circuitry of OCP, OVP, DC UVP, OPP, OTP, SCP & SIP.

**SpeedGuard:** World's leading patented fan control starting with unmatched 550RPM to a maximum of 1500RPM for optimal cooling and minimum noise.

**CordGuard:** Fixing the AC cord tightly to avoid accidental shutdowns of your PC.

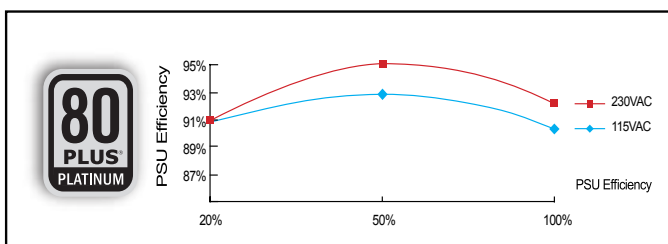
**Dynamic Hybrid Transformer Topology:** Technological breakthrough topology using a staged dynamic transformer array for extremely high efficiency with the most durable and stable output at any load.

**Twister bearing fan inside!:** 13.9cm Twister bearing fan with low noise and long lifetime. (100,000 hours MTBF, Patented)

**100% 105°C Japanese electrolytic capacitors:** Highest components standards for maximum durability and stability.

## 89PLUS ready!

High efficiency performance certified to meet 80 PLUS® Platinum requirements.



	Server System @ 1000W load		Annual KWh <sup>*2</sup>	Annual KWh wasted	Annual Money wasted <sup>*3</sup>	Annual CO <sub>2</sub> wasted <sup>*4</sup>
	Efficiency <sup>*1</sup>	AC Draw (W) <sup>*2</sup>				
Platimax 1000W	92%	1087	9522.1	-	-	-
Other ~82% 1000W	82%	1219.5	10682.8	1160.7	\$174.2/€255.4	719.6kg
Other ~80% 1000W	80%	1250	10950	1427.9	\$214.3/€314.1	885.3kg

<sup>\*1</sup> Based on 230VAC input power. Figures might vary by system configuration and loading.  
<sup>\*2</sup> Annual KWh is estimated based on 24 hours a day, 365 days a year runtime. Formula: AC Draw(W) x 24(hrs) x 365(days) / 1000  
<sup>\*3</sup> 1KWh= \$0.1501 (California) / €0.22(Germany)/ Fare might vary by countries and regional providers.  
<sup>\*4</sup> Calculation based on 1KWh= 0.62kg CO<sub>2</sub>. Figures might vary by countries.

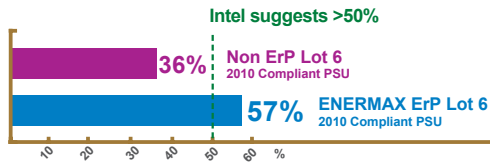


## ErP Lot 6 2010 ready!

Advanced +5Vsb circuitry with up to 20% improved efficiency in comparison with generic designs helps your system meet ErP Lot 6 2010 (AC < 1W at standby) requirement.

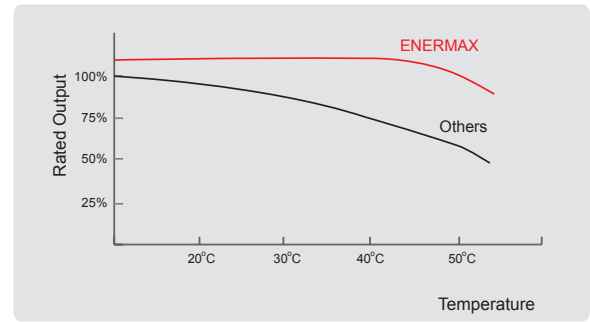
\*With ErP Lot 6 enabled motherboard.

**PSU +5Vsb efficiency @ 0.09A load, 230VAC**



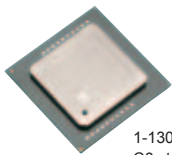
## 24/7 @ 50°C ready!

Non-stop industrial class performance at 50°C ambient.

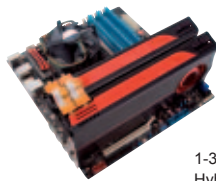


## C6 & Hybrid mode ready!

Platimax provides tight DC regulation to support C6 mode and Hybrid graphic power saving mode thanks to its ZERO LOAD (0W) Design.



1-130W  
C6 state CPU



1-300W  
Hybrid mode GPU

With 1W power consumption (C6 state / hybrid mode), most PSUs would have difficulties to maintain stable voltage output, and might shut-down for protection, otherwise their unstable voltage could damage system components!

## Future ready!

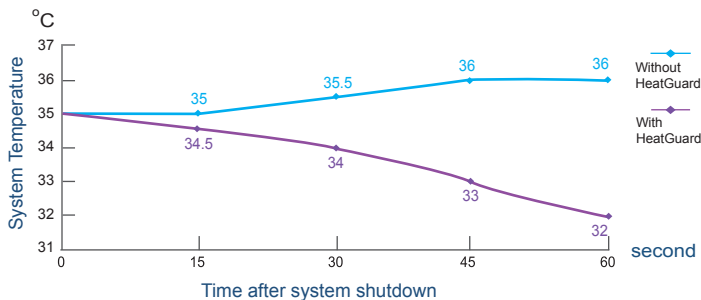
12P socket design for possibly upcoming 10P & 12P connector generations.



8P		today,
10P		tomorrow,
12P		and beyond.

## HeatGuard

After shutdown, HeatGuard will keep PSU fan running for 30-60 seconds to dissipate the remaining system heat and prolong lifetime.



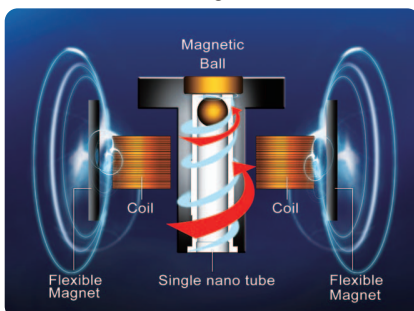
## CordGuard

Fixing the AC cord tightly to avoid accidental shutdowns of your PC.

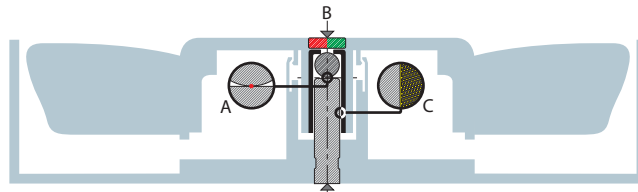


## Twister bearing fan inside!

World's leading industrial fan.



Lower noise: 1-2db(A) decrease  
Longer life: 100,000 hours MTBF



- A. Minimal contact area For effective noise reduction
- B. Rotor with integrated magnet For frictionless and smooth motion
- C. Self-lubricating bearing material Abrasion protection for longer lifetime

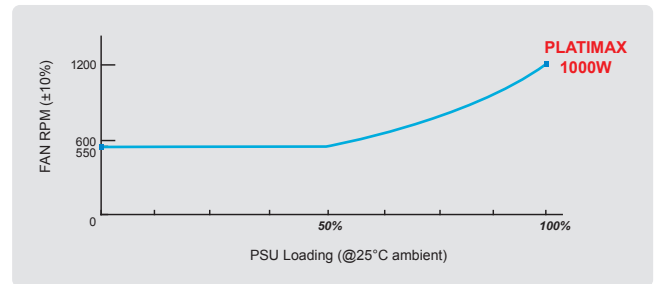
## SafeGuard

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



## SpeedGuard

World's leading patented fan control starting with unmatched 550RPM to a maximum of 1500RPM for optimal cooling and minimum noise.



## Cables & Connectors

Cables		Models	EPM1000EWT
Native Cables	24P MB		1 x 55cm
	+12V CPU		1 x 60cm 8Px1 & 4+4(8P)x1
	6+2P (8P) PCI-E 2.0		2 x 45cm
Modular Cables	EMC014-G 2x PCI-E 2.0 6+2 Pin		2 x 50cm
	EMC019-G 4x SATA		2 x 45/60/75/90cm
	EMC020-G 4x 4 Pin Molex + FDD		1 x 45/60/75/90/105cm
	EMC021-G 2x SATA + 2x 4 Pin Molex		2 x 45/60/75/90cm

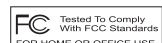
## Specifications

SPEC		MODEL	EPM1000EWT	
AC Input	Input voltage	115-240VAC, 50-60Hz		
	Input current	10.5 - 4.5A		
DC Output	3.3V	20A	100W	
	5V	20A		
	12V	83A	996W	
	-12V	0.5A	6W	
	+5Vsb	3A	15W	
Total power		1000W		
Peak power		1100W		



**1000W**

150(W) x 86(H) x 175(D) mm



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