

PRO80+ Power Supply Series

Your satisfaction, Our priority.

PRO 80+



400W / 500W
620W / 720W



3 Years Warranty

FEATURES

80PLUS ready!

80-86% efficiency @ 20-100% load. Compliant with 80PLUS® efficiency requirements.

AirGuard

Patented air-inlet with optimal aero-dynamical design reducing noisy air turbulences.

SpeedGuard

Advanced fuzzy logic 12cm fan speed control for optimal cooling and minimum noise. (Patented)

SafeGuard

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

ATX12V v2.3 ready!

Compliant with the newest standard for desktop power supplies.

DXXI ready!

100% 6+2P (8P) PCI-E connector to support new generation DXXI graphic cards.

ErP Lot 6 2010 ready!

Help system to meet ErP Lot 6 2010 (<1W at standby mode) with high efficiency 5Vsb circuitry.*

GAMING ready!

ATX12V v2.3 support for latest Intel® Core™ 2 Duo/Quad/i7/i5/i3, and AMD® Athlon™ 64X2 & Phenom™ II X3/X4/X6 and SLI® or CrossFireX™.

24/7 @ 40°C ready!

Non-Stop industrial class performance at 40°C/104°F ambient.

WORLD ready!

100-240VAC in with automatic adjustment and active PFC for global usage.

Japanese Main Capacitor

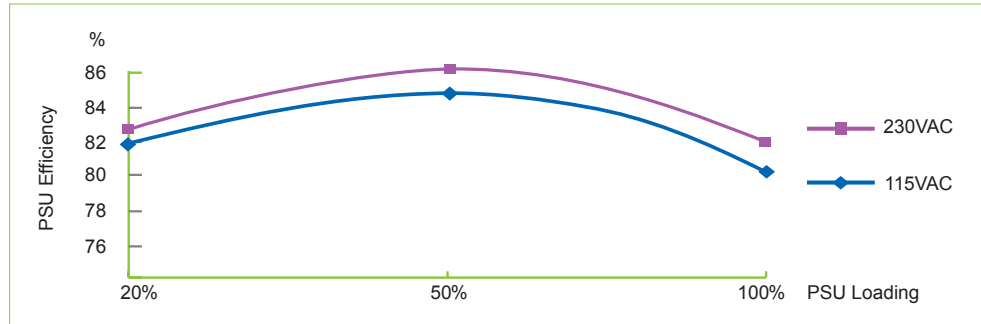
Highest components standards for maximum durability and stability.

* Required for ErP Lot 6 2010 compliant systems.



80PLUS ready! (Max. 86% @ 230VAC)

- High efficiency standard & ECO design, certified.



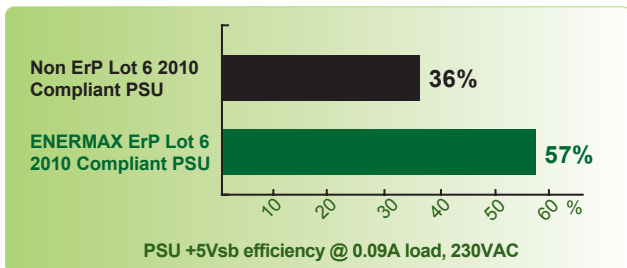
	Gaming system @300W load		Annual KWh*2	Annual KWh wasted	Annual Money wasted*3	Annual CO ₂ wasted*4
	Efficiency*1	AC Draw(W)				
PRO80+ 620W	86%	348.8	1273	-	-	-
other ~77% 600W	77%	389.6	1422	149	\$22 / €32.7	92.3kg

*1 Based on 230VAC input power.
 *2 Annual KWh is estimated based on 10 hours a day, 365 days a year runtime. Formula: AC Draw(w) x 10(hr) x 365(days)/1000
 *3 1KWh = \$0.1501(California) / €0.22(Germany). Fare might vary by countries and regional providers.
 *4 Calculation based on 1 KWh=0.62kg CO₂. Figures might vary by countries.

ErP Lot 6 2010 ready!

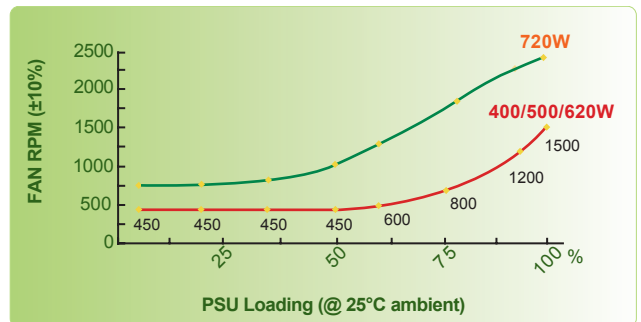
Advanced +5Vsb circuitry with up to 20% improved efficiency in comparison to generic designs helps your system meet ErP Lot 6 2010 (AC < 1W at standby) requirement.

*With ErP Lot 6 enabled motherboard.



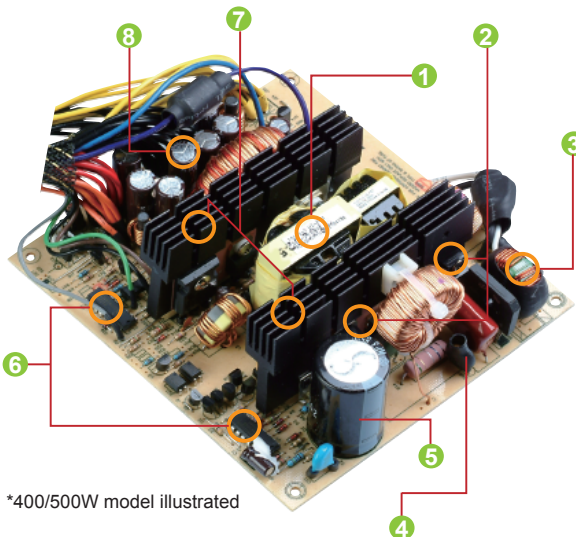
SpeedGuard

Advanced fuzzy logic 12cm fan speed control for optimal cooling and minimum noise.



24/7 @ 40°C ready!

Non-Stop industrial class performance at 40°C/104°F ambient.



*400/500W model illustrated

- 115% output transformer**
Ensure maximum output quality @ 40°C/104°F extreme environment.
- Symmetric Double Forward topology**
For high efficiency performance.
- Enhanced EMI filtering**
Protect nearby appliance against EMI interference.
- Surge & inrush protection**
To protect PSU and system against lightning and inrush current strokes.
- Japanese heavy-duty main capacitor**
For reliable power output.
- SafeGuard + PWM combo control IC**
For best safety.
- Dual anodized aluminum heatsink with array splitting**
For rapid heat dissipation.
- 105°C secondary capacitors**
For best durability.

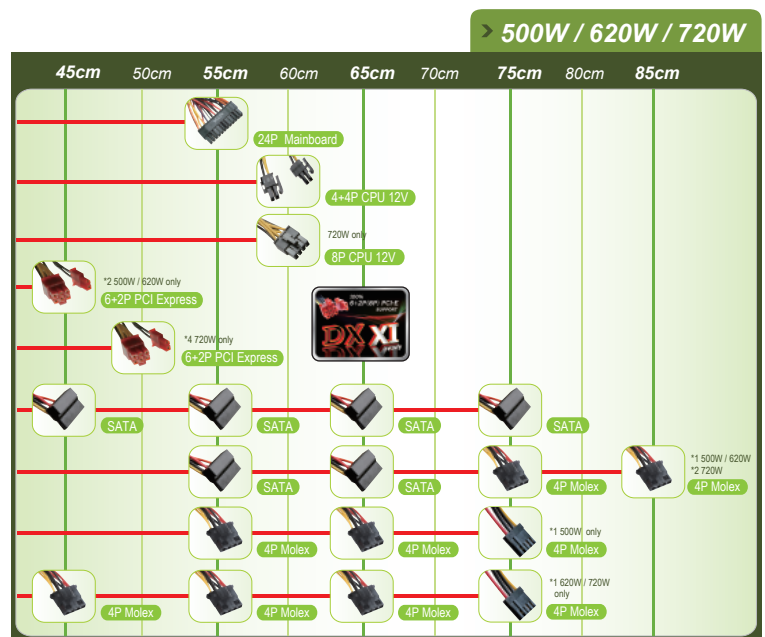
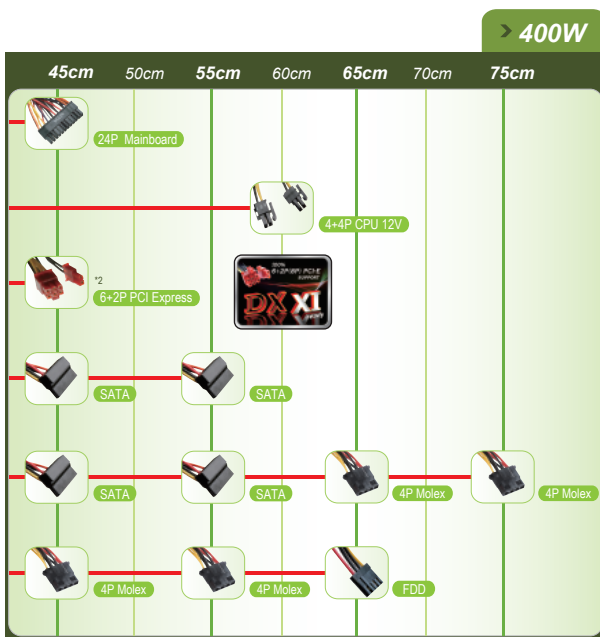


Specifications



Model Name	EES400AWT-GP	EES500AWT-GP	EES620AWT-GP	EES720AWT-GP				
AC Input Rating								
Input Voltage	100-240VAC, 50-60Hz, Active PFC Max. range : 90-265VAC							
Input Current	6.7-3A	7.5-3.5A	9.5-4A	10-4A				
DC Output Rating								
+3.3V	0.1-20A	120W	0.1-24A	130W	0.1-24A	140W	0.1-24A	140W
+5V	0.1-20A		0.1-24A		0.1-24A		0.1-24A	
+12V1	0.1-22A	384W (32A)	0.1-24A	456W (38A)	0.1-30A	576W (48A)	0.1-25A	660W (55A)
+12V2	0.5-22A		0.5-24A		0.5-30A		0.5-25A	
+12V3	-		-		-		0-25A	
-12V	0.6A	7.2W	0.6A	7.2W	0.6A	7.2W	0.6A	7.2W
+5Vsb	3A	15W	3A	15W	3A	15W	3A	15W
Total Power	400W		500W		620W		720W	
Peak Power	440W		550W		680W		790W	

Cables & Connectors



Safety & Certifications



Safety		
EMC		

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