

# MAXREVO Power Supply Series

Your satisfaction, Our priority.

## MAXREVO

1200W / 1350W / 1500W



## FEATURES

### FMQ Design

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

### 88PLUS ready!

World's leading full modular cables PSU series with 88-94% efficiency @ 20-100% load. Compliant with 80 PLUS® GOLD standard (1200/1350W only).

### 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.

### Copper-Bridge Array Transmission

Unique Copper-Bridge Array creating wider conduction path greatly helps reduce airflow resistance, voltage drop and energy loss.

### C6 & Hybrid ready!

Maximum compatibility with C6 & hybrid states of current and future CPU & GPU generations by ZERO LOAD Design.

### DXXI ready!

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

### Future ready!

12P modular design for possibly upcoming new CPU and GPU 10P and/or 12P connectors.

### Modular ready!

Full modular cable design for easy customized support for various peripheral settings.

### 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.

### CordGuard

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

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

### SpeedGuard

The world's leading patented fan control starting with unmatched 900RPM to a maximum of 2000RPM for optimal cooling and minimum noise.

### Twister 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.

## FMQ Design



**B:** magnetic flux density



**H:** magnetic field intensity



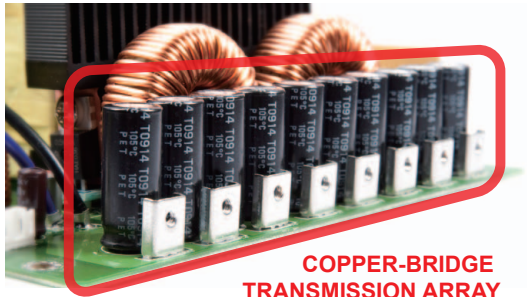
### Full-Zone Magnetic Quadrant Transformer Design

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

### Conventional Forward design

Ideal for 80PLUS Standard or Bronze PSU

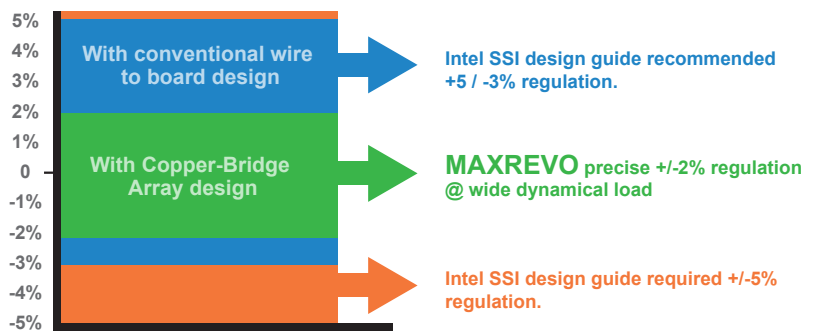
## Copper-Bridge Array



**COPPER-BRIDGE TRANSMISSION ARRAY**

1. > x4 wider & shorter transmission path
2. Up to 3% improved regulation
3. Offer system stable and clean DC output

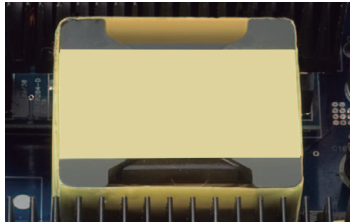
### DC Regulation



## 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

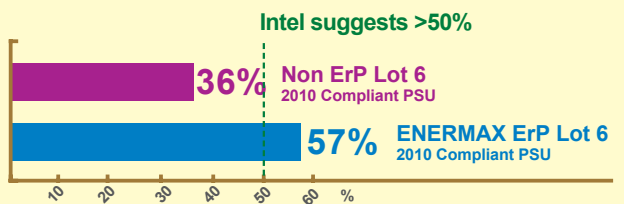
## ErP Lot 6 2010 ready!



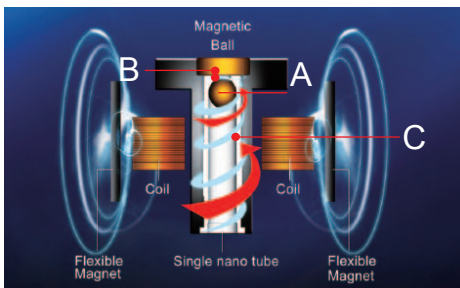
Advanced +5Vsb circuitry with up to 20% improved efficiency in comparison with generic designs helps your system meet ErP Lot 6 2010 (AC < 1W at standby) requirement.

\*With ErP Lot 6 enabled motherboard.

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

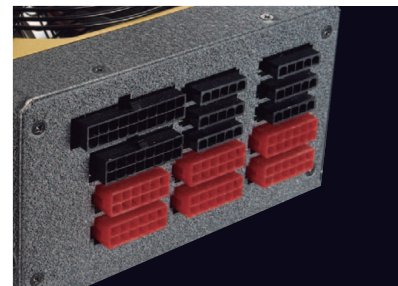


## Twister Bearing Fan



- 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

## Modular ready!



Full modular cable design for easy customized support for various peripheral settings.

# SPECIFICATIONS



SPEC		MODEL		EMR1200EWT	EMR1350EWT	EMR1500EGT	
AC Input	Input voltage	115-240VAC 50-60 Hz		115-240VAC 50-60 Hz		220-240VAC 50-60 Hz	
	Input current	12.5-5.5A		14-6.5A		8.0-7.0A	
DC Output	3.3V	25A	140W	25A	140W	25A	140W
	5V	25A		25A		25A	
	12V1	30A	1200W (100A)	30A	1344W (112A)	30A	1500W (125A)
	12V2	30A		30A		30A	
	12V3	30A		30A		30A	
	12V4	30A		30A		30A	
	12V5	30A		30A		30A	
	12V6	30A		30A		30A	
	-12V	0.5A		6W		0.5A	
	+5Vsb	4A	20W	4A	20W	4A	20W
Total power		1200W		1350W		1500W	
Peak power		1440W		1620W		1650W	

# CABLES & CONNECTORS



Modular Cables	Models	MAXREVO
EMC014-G 2 x PCI-E 2.0 6+2 Pin		x 4 50cm
EMC018-G 8P & 4P 12V CPU/RAM		x 1 60cm
EMC019-G 4 x SATA		x 3 45/60/75/90cm
EMC020-G 4 x 4 Pin Molex + FDD		x 2 45/60/75/90/105cm
EMC021-G 2 x SATA + 2 x 4 Pin Molex		x 1 45/60/75/90cm
EMC022 24P & 8P MB/CPU		x 1 60/65cm



© 2011 ENERMAX Technology Corporation. All rights reserved. Specifications are subject to change without prior notice. Actual products and accessories may differ from illustrations. Omissions and printing errors excepted. Content of delivery might differ in different countries or areas. Some trademarks may be claimed as the property of others.

80 PLUS is a brand and program run by Ecos Consulting. The 80 PLUS logos are the trademarks of Ecos Consulting. All rights reserved.  
©2009 Advanced Micro Devices, Inc., ATI, the ATI logo, CrossfireX, and Radeon are trademarks of Advanced Micro Devices, Inc.

April 2011