MAXREVO Power Supply Series

MAXREVO

1500W

80 PLUS GOLD | 5 YEARS WARRANTY | 2013 ErP Lot 6 ready

FEATURES

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

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

88PLUS ready!
World's leading full modular cables PSU series with 88-94% efficiency @ 20-100% load. Compliant with 80 PLUS® GOLD standard

ErP Lot 6 ready!
Help system meet ErP Lot 6 2013 (< 0.5W at standby mode) with high efficiency +5Vsb circuitry.*
* With ErP Lot 6 enabled motherboard.

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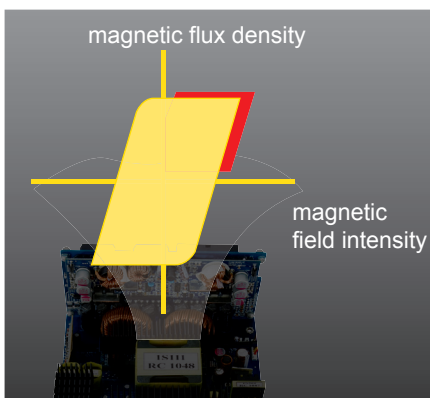
SpeedGuard
Advanced fuzzy logic fan speed control for optimal cooling and minimum noise. (Patented)

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.

ENERMAX

FMQ Design

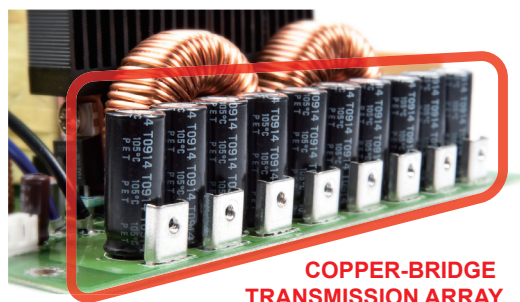magnetic flux density

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

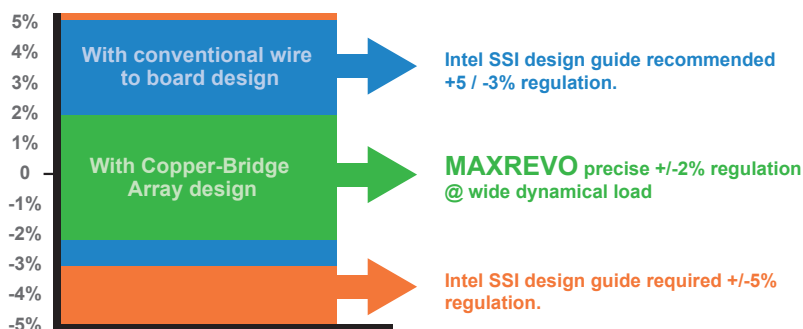Ideal for 80PLUS Standard or Bronze PSU

Copper-Bridge Array

COPPER-BRIDGE TRANSMISSION ARRAY

1. > x4 wider & shorter transmission path
2. 60% better than PSDG requirements
3. Offer system stable and clean DC output

DC Regulation

With conventional wire to board design	Intel SSI design guide recommended +5 / -3% regulation.
With Copper-Bridge Array design	**MAXREVO** precise +/-2% regulation @ wide dynamical load
	Intel SSI design guide required +/-5% regulation.

5%
4%
3%
2%
1%
0
-1%
-2%
-3%
-4%
-5%

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
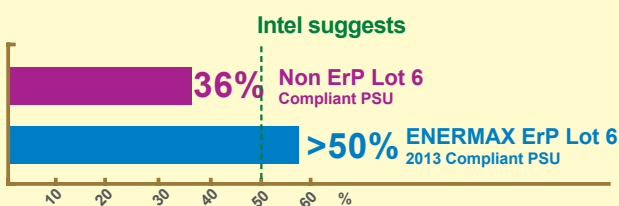4. Low air resistance and less air friction noise
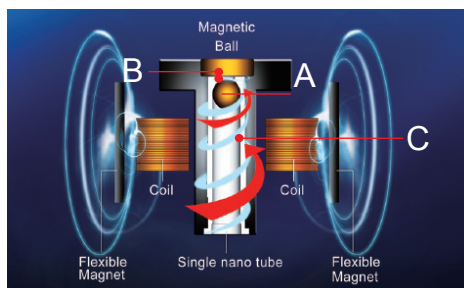
ErP Lot 6 2013 ready!

Advanced +5Vsb circuitry with up to 20% improved efficiency in comparison with generic designs helps your system meet ErP Lot 6 2013 (AC < 0.5W at standby) requirement.

*With ErP Lot 6 enabled motherboard.
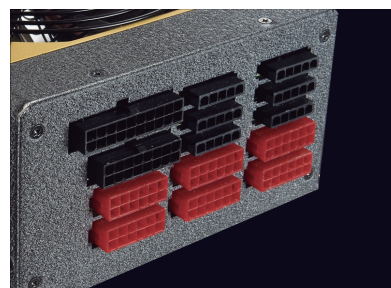
PSU +5Vsb efficiency @ 0.45A load, 230VAC

Intel suggests

36% Non ErP Lot 6 Compliant PSU

>50% ENERMAX ErP Lot 6 2013 Compliant PSU

10 20 30 40 50 60 %

Twister Bearing Fan

Magnetic Ball

B   A

C

Coil   Coil

Flexible Magnet   Single nano tube   Flexible Magnet

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.

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SPECIFICATIONS

SPEC	MODEL	EMR1500EWT	
AC Input	Input voltage	115-240VAC 50-60Hz (Max. range: 100-264VAC 47-63 Hz)	
	Input current	15-7.5A	
DC Output	3.3V	25A	140W
	5V	25A	
	12V1	20A	1500W (125A)
	12V2	20A	
	12V3	30A	
	12V4	30A	
	12V5	30A	
	12V6	30A	
	-12V	0.5A	6W
	+5Vsb	4A	20W
Total power		1500W	
Peak power *		1650W	

* Peak power may last up to 60 seconds.

CABLES & CONNECTORS

Modular Cables	Models	EMR1500EWT
EMC014-G 2 x PCI-E 2.0 6+2 Pin		x 5 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

May 2012

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