



P/N: PS-TPG-0750FPCGxx-S



TOUGHPOWER GRAND RGB 750W GOLD (RGB SYNC EDITION)



Features

- Patented 256 colors Riing 14 RGB fan with five lighting modes, built-in memory and RGB sync function.
- Smart Zero Fan: Minimizes undesired noise.
- <30mV low ripple noise design.
- Extremely strict voltage regulation < ±2%
- Fully modular low-profile flat black cables.
- 100% high quality Japanese 105°C/221°F capacitors.
- 80 PLUS[®]Gold certified up to 90% efficiency.
- 10 year warranty
- 750W continuous output at 50°C/122°F operating environment.
- High amperage single +12V rail design.
- Intel C6/C7 states & ErP ready
- Built-in industry grade protections: OCP, OVP, UVP, OPP, SCP, OTP
- Dimension: 150mm(W)x86mm(H)x160mm(D).
- Safety approvals: CE/cTUVus/TÜV SÜD/FCC/CCC/BSMI/EAC certifications.
- Compatible with the latest Intel ATX 12V 2.4 & SSI EPS 12V 2.92 standards.



TOUGHPOWER GRAND RGB 750W GOLD (RGB SYNC EDITION)

Highlight Features





Synchronizing all RGB lighting devices on your system with the +12V RGB header. (+5V RGB header is not supported by this model)



Sync All Your RGB

Compatible with: ASUS AURA SYNC, msi MYSTIC LIGHT, GIGABYTE RGB FUSION, BIOSTAR VIVID LED DJ and ASRock RGB LED ready motherboards.



TOUGHPOWER GRAND RGB 750W GOLD (RGB SYNC EDITION)

Highlight Features





RGB options available at your fingertips for easy use.



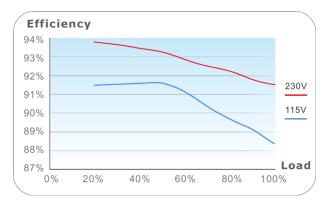
Patented 256 Colors Riing 14 RGB Fan

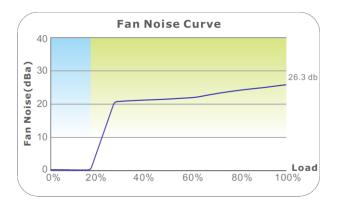
TOUGHPOWER GRAND RGB GOLD series features a patented 256 colors Riing 14 RGB fan with five lighting modes, LEDs off mode and built-in memory.

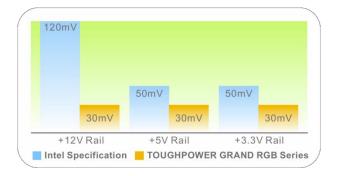


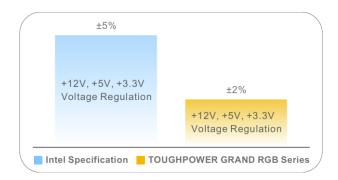
TOUGHPOWER GRAND RGB 750W GOLD (RGB SYNC EDITION)

Highlight Features









80 PLUS Gold Certified Efficiency

Delivers top end efficiency under real world load conditions.

Ultra Quiet Smart Zero Fan

Minimize undesired noise.

<30mV Low Ripple Noise Design

Top-end build quality with low ripple noise.

Extremely Strict Voltage Regulation $< \pm 2\%$

Provides steady clean power through exceptional voltage stability.

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REV. A (2018.03)



TOUGHPOWER GRAND RGB 750W GOLD (RGB SYNC EDITION)

Highlight Features



Fully Modular Low-Profile Flat Black Cables

Makes cable management easier, reduces clutter and increases airflow inside the chassis.



100% High Quality Japanese 105°C/221°F Capacitors.

Improves the durability and offers the highest stability and reliability.

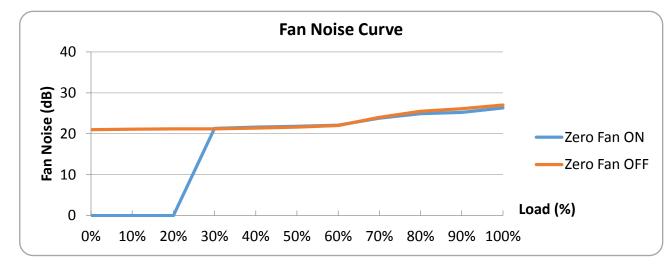


High Amperage Single +12V Rail & DC to DC Design

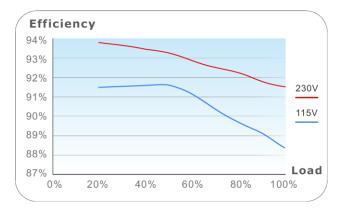
Powerful single +12V rail and DC to DC design for the best compatibility.



Fan Noise



ECO Design



80 PLUS®Gold Certified Efficiency

Delivers top end efficiency under real world load conditions.

Supports Energy Star 5.0* energy standard

Toughpower Grand RGB Gold series is suitable for use in Energy Star-compatible computers.

Supports Intel Deep Power Down C6 Status

Helps your PC system operate more power efficiently.

Corresponds to the EU directives on WEEE and RoHS

Thermaltake considers its full impact on the environment during manufacturing and maintains green facilities to ensure Toughpower Grand RGB Gold series meets WEEE & RoHS requirements.



Output Specification

AC Input	Input Voltage: 100V - 240V~ Input Current: 10A Frequency: 50Hz - 60Hz				
DC Output	+3.3V	+5V	+12V	-12V	+5VSB
Max Output Current	22A	22A	62.5A	0.3A	3A
Max Output Power	120W		750W	3.6W	15W
Total Power	750W				

Total Output Connector

Connector						•	N C
	Main Power						
Mattaga	Connector	ATX 12V	SATA	PCI-E	Peripheral	FDD	RGB Sync
Wattage	(24Pin)	(4+4Pin)	(5Pin)	(6+2Pin)	(4Pin)	Adapter	Cable
750W	1	1	9	4	4	1	1

Wattage	Connector Type	Connector Quantity & Cable Length		
750W	Main Power (24pin)	1 x 24pin Main connector (600mm)		
	ATX 12V (4+4pin)	1 x ATX 12V 4+4pin connector (650mm)		
	PCI-E (6+2pin)	2 x PCI-E 6+2pin connectors (500mm + 150mm) 2 x PCI-E 6+2pin connectors (500mm + 150mm)		
	SATA	3 x SATA connectors (500mm + 150mm + 150mm) 3 x SATA connectors (500mm + 150mm + 150mm) 3 x SATA connectors (500mm + 150mm + 150mm)		
	Peripheral	4 x Peripheral connectors (500mm + 150mm + 150mm + 150mn		
	FDD Adapter	1 x Peripheral to FDD adapter cable (150mm)		
	RGB Sync Cable	1 x RGB Sync connector + 1 x RGB Sync header (570mm + 80mm		



GENERAL INFO					
P/N	PS-TPG-0750FPCGxx-S				
Model	TPG-750AH3FSGR				
Туре	ATX 12V v2.4 and EPS v2.92				
Max. Output Capacity	750W				
Peak Output Capacity	900W				
Color	Black				
Dimension (W/H/D)	150mm(W) x 86mm(H) x 160mm(D)				
PFC	Active PFC				
Power Good Signal	100-500 msec				
Hold-Up Time	> 16msec at 100% of full load				
AC INPUT					
Input Current	10A				
Input Frequency Range	50Hz - 60Hz				
Input Voltage	100V - 240V~				
	ENVIRONMENTAL				
Operating Temperature	0°C to + 50°C				
Operating Humidity	20% to 90%,non-condensing				
Storage Temperature	-40°C to + 70°C				
Storage Humidity	20% to 95%, non-condensing				
Cooling System	14cm hydraulic bearing fan				
MISCELLANEOUS					
Efficiency	Meet 80 PLUS [®] Gold at 115Vac input.				
MTBF	120,000 hrs minimum				
Safety Approval	CE/cTUVus/TÜV SÜD/FCC/CCC/BSMI/EAC				
PCI-E CONNECTOR					
PCI-E 6+2pin	4				



Total Protection

Voltage Source	Over Voltage Protection	Under Voltage Protection	Over Current Protection		
	Protection Point				
+3.3V	4.3Vmax Not lower than 2.0~2.4V		24.2A min.; 35.2A max.		
+5V	6.5Vmax	Not lower than 3.3~3.7V	24.2A min.; 35.2A max.		
+12V	15.5Vmax	Not lower than 8.5~9.5V	59.62A min.; 86.72A max.		
Over Power Protection	Protection at 110%~160% over peak load.				
Over Temperature Protection	Triggered by heating up TH3 thermistor to 85°C/185°F				
Short Circuit Protection	Activated when any DC rails short circuited.				