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Thermaltake Toughpower DPS G RGB 850W Titanium

Special Price

$275.39 was $305.99

Product Images

The label table:

MODEL(型号/型號): TPG-850DH5FET				
AC INPUT (交流输入/交流輸入)	Input Voltage (输入电压/輸入電壓): 100V - 240V~ Input Current (输入电流/輸入電流): 11A - 5.5A Frequency (频率/頻率): 60Hz - 50Hz			
DC OUTPUT (直流输出/直流輸出)	+3.3V	+5V	+12V	-12V	+5VSB
Max Output Current (最大输出电流/最大輸出電流)	25A	22A	70A	0.3A	3A
Max Output Power (最大输出功率/最大輸出功率)	120W		840W	3.6W	15W
Total Power (总输出功率/總輸出功率)	850W				

Carrying bag

AC power cord

Power cables

Short Description

The Thermaltake Toughpower DPS G RGB 850W Titanium is the world's first PSU pre-installed with a patented 256 colors RGB fan that incorporate various high-tech components, leading technology and Eco-friendly commendations. Featuring 80 PLUS Titanium certification with individually sleeved cable and flat cable, Toughpower DPS G RGB Titanium Series adopts the highest quality components and fully modular design that always accommodate any mainstream build under any circumstance.

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The combination of Toughpower DPS G RGB Titanium and three intelligent platforms – DPS G PC APP 2.0, DPS G Smart Power Management (SPM) Cloud 1.0, and DPS G Mobile APP 1.0 helps users not just monitor smart power supply units, but also save the energy, reduce CO_2 emission, and eventually protect the Earth.

Features

Patented 256 color RGB Fan

The first RGB PSU series introduced by Thermaltake install with a patented circular 256 multi-colored 140mm fan. Users can freely adjust fan speed as well as fan colors digitally through DPS G PC App. The color and brightness uniformity of the multicolored LED ring is visible from all directions and adds style to the chassis.

Concentrated Compression Fan Blade

The fan blade is designed for high static pressure requirements of demanding applications; the concentrated compression blade is engineered to focus the weaker, inner circle of air outward, allowing the outer section to pressurize the air. The fan blades are optimized to enhance static pressure for an impressive cooling performance. Hydraulic bearings for silent operation guarantee ultra-low noise, and the anti-vibration mounting system strengthens the product's stability during operation. Moreover, In-mold injection anti-vibration rubber pads provide hassle-free usage for 80% protection coverage, including all four corners.

Security Protection – Warning Alert & PC Off Remote Control

The SPM platform provides three alert functions: fan failure, over temperature (over 140℉/60℃), and abnormal voltage level (over/under 5% of normal level) warning alert. That will help users to reduce the possibility of overheating your internal components and burning the PC. When the abnormal activities occur, the warning message will be pushed to the mobile devices and email. The SPM platform allows users to turn off the computer remotely via mobile app when users receive the warning message.

Security Protection – Scheduled Shutdown

The SPM platform allows users to arrange a scheduled shutdown for the system remotely through the Mobile APP or the Cloud Management. For example, when the process is complete, users can schedule a time for the system to switch off automatically via their mobile devices in order to save the energy and electricity cost.

100% High Quality Japanese Capacitors

The Toughpower DPS G RGB 1500W Titanium features 100% high quality Japanese brand capacitors, which greatly improves the durability and offers the highest stability and reliability.

Fully Modular Cable Design

Fully modular power supply offers cable selection for users while powering the system at an advantageous voltage. Individually sleeved cable and flat cable can make cable management easier, reduce clutter and increase airflow inside the chassis.

Core Component: MCU

Toughpower DPS G RGB 850W Titanium Series comes with a 32Bit Microcontroller Unit (MCU) from STMicroelectronics. The 32Bit MCU is a small computer on a single integrated circuit containing a processor core, memory, and programmable input/output peripherals. MCU can digitally control devices and processes, such as automobile engine control systems and office machines.

Digital Control Board

Digital power supplies support high-efficiency switching transistors that perform only necessary steps and waste less energy given off as heat. In short, digital power supplies do not dissipate power, which creates waste, and incorporate smaller, lighter transistors. Using smaller parts that work more efficiently enables Thermaltake to craft smaller and lighter power supplies, typically one of the bulkiest components in any PC.

80 PLUS Titanium-Certified and Kaby lake-Ready

Toughpower DPS G RGB 850W Titanium Power Supply with DPS G software delivers up to 94% efficiency under real-world load conditions, promising the lowest power losses. Additionally, Toughpower DPS G RGB 850W Titanium has been optimized to work with Intel's new, seventh-generation Kaby lake processors to achieve maximum energy savings.

TT Power VR Ready

Toughpower DPS G RGB Series power supplies offer stable and sufficient output voltage for multiple VGA cards and high Capability of different VGA cards for VR system.

DPS G PC APP 2.0: Smart Zero Fan

Aside from the silent and performance mode, DPS G PC APP 2.0 comes with the new Zero Fan mode to minimize the audible noise of your PC. The fan will be turned on around 30% of rated load to optimize the thermal performance and minimize the audible noise.

Smart Power Management Reports

Users can access the ECO report and the Energy Consumption Report to understand the detailed information about CO_2 emission and energy consumption by comparing current data with the previous 3 months. Users could simply save the money by setting the goal of how much kWh they are going to consume within a specific period through Energy Saving Plan. Users could also decide whether to receive the notification via email and mobile app in order to successfully achieve the goal of saving more money and energy. In addition, Power Usage Behavior report can provide a comprehensive analysis for Smart Power Supply users. With the PSU's conversion efficiency on the y-axis and power consumption on the x-axis, the report presents a complete overview of your electricity consumption behavior. In addition, the report can recommend suitable power supply wattages for optimum efficiency.

Specifications

P/N	PS-TPG-0850DPCTUS-T
Short P/N	TPG-0850D-T

Model	TPG-850DH5FET
Type	Intel ATX 12V 2.31 & SSI EPS 12V 2.92
Max. Output Capacity	850W
Peak Output Capacity	1020W
Color	Black
Dimension	150mm(W) x 86mm(H) x 200mm(D)
PFC （Power Factor Correction）	Active PFC
Power Good Signal	100-500 msec
Hold Up Time	> 16msec at 70% of full load (115Vac/ 230Vac input)
Input current	11A – 5.5A
Input Frequency Range	60Hz - 50Hz
Input Voltage	100V - 240V
Operating Temperature	0 ℃ to +50℃
Operating Humidity	10% to 90%,non-condensing
Storage Temperature	-20 ℃ to +90 ℃
Storage Humidity	5% to 95%, non-condensing
Cooling System	14cm RGB Fan
Efficiency	MEET 80 Plus Titanium at 115Vac input.
MTBF	120,000 hrs minimum
Safety Approval	CE/FCC/UL/ Bauart Mark+CB/ EAC
PCI-E Connector	PCI-E 6+2pin/ 8pin X6

Additional Information

Brand	Thermaltake
SKU	PS-TPG-0850DPCTUS-T-D
Weight	11.0000
Color	Black
PSU Type	ATX
PSU Style	Modular
PSU Wattage	850W
PSU Efficiency	80 PLUS Titanium
Special Price	$275.39