



# Thermaltake Smart Pro RGB 850W Smart Zero Fan 80 PLUS Bronze Certified Full Modular Power

Special Price  
**\$130.49** was  
~~\$144.99~~

## Product Images





**Thermaltake**  
Cool All Your Life  
曜越科技股份有限公司

SMART SERIES POWER SUPPLY

PART NUMBER: SPR-0850F-R **SMART PRO RGB 850W**

MODEL (型号/型號): SPR-0850AH3FSB-R	
AC INPUT (交流輸入/交流輸入) (總輸出/總輸出)	Input Voltage (輸入電壓/輸入電壓): 100V - 240V~ Input Current (輸入電流/輸入電流): 15A Frequency (頻率/頻率): 50Hz - 60Hz +3.3V    +5V    +12V    -12V    +5VSB Max Output Current (最大輸出電流/最大輸出電流): 22A    22A    70.5A    0.5A    3.0A Max Output Power (最大輸出功率/最大輸出功率): 140W    846W    6.0W    15W Total Power (總輸出功率/總輸出功率): 850W

**WARNING**  
 HAZARDOUS VOLTAGES CONTAINED WITHIN THIS POWER SUPPLY. NOT SERVICEABLE. RETURN TO SERVICE CENTER FOR REPAIR.  
**ATTENTION**  
 DANGEREUSES TENSIONS CONTENUES DANS CE RÉGULATEUR D'ALIMENTATION. NE PAS RÉPARER. RETOURNER À UN CENTRE DE SERVICE POUR RÉPARATION.  
 REV1 (版本/版本) - A    Switching Power Supply (开关电源/開關電源) (開關電源/開關電源)    Made in China (中國製造/中國製造)



## Short Description

Thermaltake, as the pioneer who incorporates RGB lights into PSU, has launched the Thermaltake Smart Pro RGB Bronze Series, coming with a pre-installed, patented 256 Colors Ring 14 RGB fan with 5 lighting modes to choose from and built-in memory.

Featuring capacities ranging from 650W to 850W and 80 PLUS Bronze certification, Smart Pro RGB Bronze Series adopts the highest quality components and fully modular design that always accommodate any mainstream build under any circumstances.

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## Features

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### One Button to Your Desired Color

By pressing the RGB lighting button, the fan color can be switched among a 256 Color RGB Cycle with variants including Solid Red, Green, Blue, White, and a LED Off mode. The fan is also constructed with a built-in memory function, saving the color applied and insuring the same color selection every time you boot your PC

### Power Supply Fan Face-Up Placement for Better Cooling

With the face-up placement of the fan, users can freely gaze upon their patented circular 256 multi-colored RGB fan and at the same time obtaining additional performance by using the fan as a additional exhaust mechanism, repelling unwanted heat from your chassis. As the thermal image testing shown, the temperature of PSU and computer system will decrease around 3°C (5.4 °F) by placing PSU face-up.

### Riing 14 RGB Fan with 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.

### Ultra Quiet Smart Zero Fan

Smart Zero Fan ensures zero noise when the fan operates below approximately 10% working load to minimize audible noise. The fan will operate when the power supply working load over 10%. A switch is provided for those who prefer the fan to spin constantly.

### < 50 mV Low Ripple Noise

All ripples are lower than 50mV for high stability on +12V, +5V, or +3.3V from 0% to 100% load to ensure a high quality power supply. Low ripple noise will keep your performance-critical components, such as high-end graphics cards, to operate reliably for longer.

### Strict Voltage Regulation < ±3%

The voltage regulation of the PSU is set to no more than ±3% for major rails to meet the greater performance. The strict voltage regulation of the Smart Pro RGB Bronze Series is better than Intel's standard ±5% for major rails and ±10% for -12V.

### High Quality Japanese 105°C/221°F Main Capacitor

High quality 105 °C (221 ° F) Japanese brand main capacitor which greatly improve the durability and offer the highest stability and reliability.

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

Smart Pro RGB 750W Bronze is equipped with a powerful single +12V rail, eliminating the limitations caused by voltage distributions, delivering the power your CPU and VGA demand in any situations. Besides, with DC to DC design, the unit optimizes maximum energy harvest for computer systems, providing the best compatibility, conversion efficiency and stable voltage output.

### Fully Modular Low-Profile Flat Cable

Smart Pro RGB 750W Bronze offers cable selection for users while powering the system at an advantageous voltage. Low-profile flat black cables can make cable management easier, reduce clutter and increase airflow inside the chassis.

### 80 PLUS Bronze Certified and Kaby Lake Ready

Deliver up to 85% efficiency under real world load conditions to promise lowest power losses. Additionally, Smart Pro RGB 750W Bronze has been optimized to work with Intel's latest, Seventh-generation Kaby Lake processors to achieve maximum energy saving.

### RGB Lighting Provides Best Aesthetics for All Chassis

Smart Pro RGB Bronze Series is the best idea for users to go with when they are looking for an RGB PSU which permits remarkable functionality and aesthetics in all cases, especially Open Frame or Tower cases.

## Specifications

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P/N	PS-SPR-0850FPCBxx-R
Short P/N	SPR-0850F-R
Model	SPR-850AH3FSB-R
Type	ATX 12V v2.4 and EPS v2.92
Max. Output Capacity	850W
Peak Output Capacity	1020W
Color	Black

Dimension ( W / H / D )	150mm(W) x 86mm(H) x 170mm(D)
PFC ( Power Factor Correction )	Active PFC
Power Good Signal	100-500 msec
Hold Up Time	> 16msec at 75% load
Input current	15A
Input Frequency Range	50Hz - 60Hz
Input Voltage	100V - 240V~
Operating Temperature	0°C to + 40°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
Efficiency	Meet 80 PLUS® Bronze at 115Vac input.
MTBF	100,000 hrs minimum
Safety Approval	CE/cTUVus/TÜV SÜD/FCC/CCC/BSMI/EAC
Pin Connector	PCI-E 6+2pin X 4
Protection	OCP, OVP, UVP, OPP, SCP, OTP

\* Specifications are subject to change without notice.

\* The product picture(s) is only for your reference, it may differ from the actual product.

## Additional Information

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Brand	Thermaltake
SKU	PS-SPR-0850FPCBUS-R
Weight	8.0000
Color	Black
PSU Type	ATX
PSU Style	Non-Modular
PSU Wattage	850W
PSU Efficiency	80 PLUS Bronze
Vendor SKU/EAN	841163067239
Special Price	\$130.49

