



# Silent Pro Hybrid 850W

RS-850-SPHA-D3



Silent Pro hybrid 850W is part of Cooler Master's first fully modular power supply series with integrated dual 7V fan ports. It utilizes a single powerful +12V rail that operates at over 90% efficiency and carries an 80Plus Gold certification.

A fan speed controller is included in the package. It occupies a 5.25" drive bay and enables a user to control the Silent Pro Hybrid 135mm Silent Hydraulic Bearing fan along with up to three system fans.

## Features

- Fully modular cables
- Noise-free Operation
- World's first PSU integrated 7V fan port
- Auto Fanless mode under 200W loading
- 5.25" drive bay fan controller for both the PSU and three system fans
- Speed adjustable 135mm Super Silent Hydraulic Bearings Fan
- Over 90% efficiency with 80Plus Gold Certification

## Packaging Information

EAN Code	4719512031827
UPC Code	884102012044
Package Information	205 x 395 x 132 mm (8.07 x 15.55 x 5.19 inch)
Carton Dimensions	550 x 410 x 235 mm (21.65 x 16.14 x 9.25 inch)
Unit / Carton	4
Carton / Pallet	16
Retail Box Weight	4.08kg / 8.99lbs

## Warranty

5 years

## Specifications

Model	RS-850-SPHA-D3
Type	Intel ATX 12V V2.3 & SSI EPS 12V V2.92
Dimensions	150 x 180 x 86 mm (5.9 x 7 x 3.4 inch)
Input Voltage	90-264V (Auto Range)
Input Current	9-4.5A
Input Frequency Range	47Hz-63Hz
PFC	Active PFC (>0.9)
Power Good Signal	100-500ms
Hold Up Time	17ms
Efficiency	90% Typically
MTBF	100,000 Hours
Protection	OVP / UVP / OCP / OPP / OTP / SCP
Output Capacity	850W
Operation Temperature	0-40°C (Nominal Input Voltage)
Regulatory	TUV / GOST / CE / C-Tick / UL / BSMI / CCC / FCC / KCC
Fan	135mm (Silent Hydraulic Bearings)
Certifications	80 Plus Gold
Compatible	SLI/CrossFire




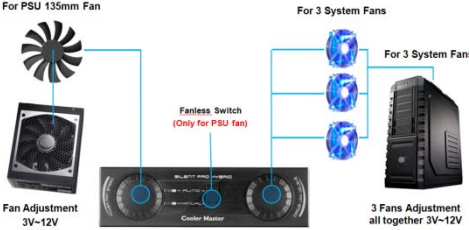
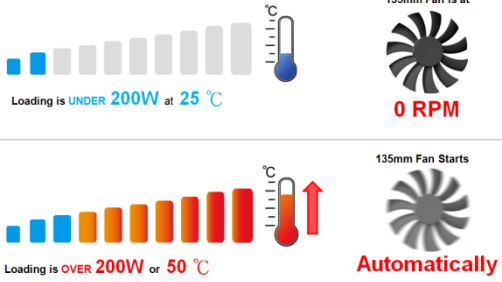
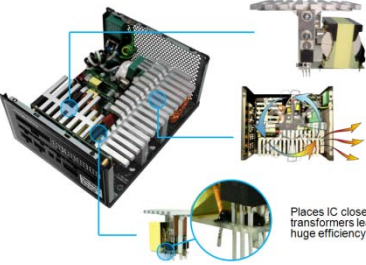
Connectors	M / B 24 pins x 1
	CPU 4 + 4 pins x 2
	PCI-e 6+2 pins x 6
	SATA x 12
	Peripheral 4 pins x 5
	Floppy 4 pins x 1
	Fan cable 3 pins x 3

AC INPUT	100-240V ~ 9-4.5A 60-50Hz					
DC OUTPUT	+3.3V	+5V	+12V	-12V	+5Vsb	+7V
	22A	25A	70A	0.3A	3A	1.8A
TOTAL POWER	150W		840W	3.6W	15W	12.6W
	850W					



# Appendix

Photo Taken: 28-06-2011

<p>Connectors guide</p> <p>Fully modularized design</p>  <p>Quality spray finish</p> <p>Function Panel connecting port</p>	<p>Honeycomb vent for 135mm fan</p>  <p>Aluminum frame finish</p>
<p>Fully Modular Cables</p>	<p>135mm Super Silent Hydraulic Bearings Fan</p>
 <p>PSU fan control knob</p> <p>Fanless / Manual mode switch</p> <p>LED indicator</p> <p>System fan control knob</p>	 <p>For PSU 135mm Fan</p> <p>For 3 System Fans</p> <p>Fanless Switch (Only for PSU fan)</p> <p>Fan Adjustment 3V-12V</p> <p>3 Fans Adjustment all together 3V-12V</p>
<p>5.25" Control Panel</p>	<p>Adjustable 135mm PSU fan Manually</p>
 <p>Loading is UNDER 200W at 25 °C</p> <p>135mm Fan is at 0 RPM</p> <p>Loading is OVER 200W or 50 °C</p> <p>135mm Fan Starts Automatically</p>	 <p>Unique design that combines heat-sink with transformer</p> <p>A unique "L-shaped" heat-sink to remove heat from the PSU</p> <p>Places IC close to transformers leading to huge efficiency ratings</p>
<p>Fanless Mode</p>	<p>3 Patent Technologies from Silent Pro Gold</p>