



# Silent Pro Hybrid 1050W

RS-A50-SPHA-D3



Silent Pro hybrid 1050W 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            | 4719512031858                                     |
| UPC Code            | 884102012075                                      |
| Package Information | 205 x 395 x 132 mm<br>(8.07 x 15.55 x 5.19 inch)  |
| Carton Dimensions   | 550 x 410 x 235 mm<br>(21.65 x 16.14 x 9.25 inch) |
| Unit / Carton       | 4   |
| Carton / Pallet     | 16  |
| Retail Box Weight   | 4.20kg / 9.26lbs                                  |

## Warranty

5 years

|                       |  |
|-----------------------|--|
| Model                 | RS-A50-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         | 11-5.5A  |
| 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       | 1050W  |
| 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<br>CPU 4 + 4 pins x 2<br>PCI-e 6+2 pins x 6<br>SATA x 12<br>Peripheral 4 pins x 5<br>Floppy 4 pins x 1<br>Fan cable 3 pins x 3 |

|             |                            |     |      |      |       |       |
|-------------|----------------------------|-----|------|------|-------|-------|
| AC INPUT    | 100-240V ~ 11-5.5A 60-50Hz |     |      |      |       |       |
| DC OUTPUT   | +3.3V                      | +5V | +12V | -12V | +5Vsb | +7V   |
|             | 22A                        | 25A | 82A  | 0.3A | 3A    | 1.8A  |
| TOTAL POWER | 150W                       |     | 984W | 3.6W | 15W   | 12.6W |
|             | 1050W                      |     |      |      |       |       |



# 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>Fan Adjustment 3V-12V</p> <p>For 3 System Fans</p> <p>Fanless Switch (Only for PSU fan)</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>  |