Silent Pro M Series

500W 600W 700W

The Silent Pro series of is a new range of single rail power supplies from Cooler Master that's addressing a growing market demand for powerful single rail PSU's. With up to 50A on the 12V rail, the Silent Pro series delivers where it counts and won't have any problems powering even the most demanding SLI or CrossFire systems.

Design Concept

The Silent Pro series is also the first power supply from Cooler Master to feature flat modular cables for improved airflow and cable management. It also comes with anti-vibration silicon pads to remove possible vibrations from the PSU to reverberate into the case.

5 Years Warranty | 80 PLUS | NVIDIA SLI Ready

www.coolermaster.com

Features

Robust design

- High quality components including Japanese made capacitors
- MTBF greater than 100,000 hrs
- Certified for OVP/OCP/OPP/OTP/SCP

Energy efficient

- 80 Plus compliant with over 85% efficiency
- Compliance with Energy Star, RoHS and blue angel requirements

Silent design

- Unique combination of copper plates with aluminum heat sinks to efficiently cooled
- Super silent operation with intelligent 135mm fan speed control
- Silicon shock absorption rubber pads around the edges of the power supply

Easy cable management

- Flat cable design for easy cable management
- Modularized cable design to eliminate clutter and improve airflow inside the chassis

Expandability

- Two 6+2 pin PCI-E connectors to support various graphic card setups

©2008 Cooler Master Co., Ltd.All Rights Reserved. All trademarks are registered to their respective owners.

SILENT PRO M SERIES

500W 600W 700W

Specifications

Model	RS-500-AMBA-D3	RS-600-AMBA-D3	RS-700-AMBA-D3
Type	ATX 12V 2.3 / SSI EPS 12V V2.91	ATX 12V 2.3 / SSI EPS 12V V2.91	ATX 12V 2.3 / SSI EPS 12V V2.91
PFC	Active PFC (>0.9)	Active PFC (>0.9)	Active PFC (>0.9)
Input Voltage	90~264V (Auto Range)	90~264V (Auto Range)	90~264V (Auto Range)
Input Current	8A@115Vac,4A@230Vac	10A@115Vac,5A@230Vac	12A@115Vac,6A@230Vac
Input Frequency Range	47~63Hz	47~63Hz	47~63Hz
Output Capacity	500W	600W	700W
Max. Output Capacity	620W	720W	840W
Fan	135mm ultra silent fan	135mm ultra silent fan	135mm ultra silent fan
Power Good Signal	100~500ms	100~500ms	100~500ms
Hold Up Time	>17ms	>17ms	>17ms
Efficiency	85% Typically	85% Typically	85% Typically
MTBF	>100,000hrs	>100,000hrs	>100,000hrs
Protection	OVP / UVP / OCP / OPP / OTP / SCP / OLP / UL	OVP / UVP / OCP / OPP / OTP / SCP / OLP / UL	OVP / UVP / OCP / OPP / OTP / SCP / OLP / UL
Dimension	150 x150 x 86 (mm)	150 x150 x 86 (mm)	150 x150 x 86 (mm)
Operation Temperature	0~40℃ (Nominal Input Voltage)	0~40℃ (Nominal Input Voltage)	0~40℃ (Nominal Input Voltage)
Regulatory	NEMKO / TUV / CE / GOST / C-tick	NEMKO / TUV / CE / GOST / C-tick	NEMKO / TUV / CE / GOST / C-tick
Certification	SLI / 80 Plus	SLI / 80 Plus	SLI / 80 Plus
Connector	M/B 20+4Pin Connector x 1 CPU 4+4 Pin x 1 PCI-E 6+2 Pin x2 4 Pin Peripheral x 5 SATA x 6 4 Pin Floppy x 1	M/B 20+4Pin Connector x 1 CPU 4+4 Pin x 1 PCI-E 6+2 Pin x2 4 Pin Peripheral x 5 SATA x 9 4 Pin Floppy x 1	M/B 20+4Pin Connector x 1 CPU 4+4 Pin x 1 PCI-E 6+2 Pin x2 4 Pin Peripheral x 5 SATA x 9 4 Pin Floppy x 1

500W

AC Input	100~240V 8~4A 60-50Hz				
DC Output	+3.3V	+5V	+12V	-12V	+5Vsb
	20A	20A	34A	0.5A	2.5A
Total Output	145W		408W	6W	12.5W

600W

AC Input	100~240V 10~5A 60-50Hz				
DC Output	+3.3V	+5V	+12V	-12V	+5Vsb
	20A	20A	40A	0.5A	2.5A
Total Output	165W		480W	6W	12.5W

700W

AC Input	100~240V 12~6A 60-50Hz				
DC Output	+3.3V	+5V	+12V	-12V	+5Vsb
	28A	25A	50A	0.5A	2.5A
Total Output	165W		600W	6W	12.5W

www.coolermaster.com

©2008 Cooler Master Co., Ltd.All Rights Reserved. All trademarks are registered to their respective owners.

SILENT PRO M SERIES

500W 600W 700W

Connectors

500W

PCI-e 6Pin — 450mm+/-10mm — PCI-e 6+2 Pin X2

S-ATA x 2

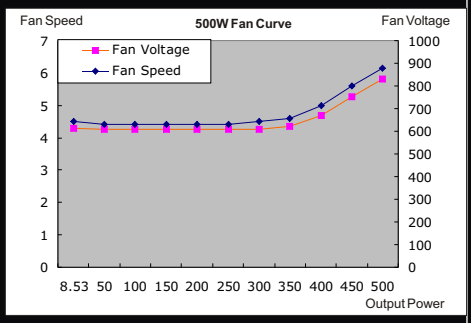
Molex 5Pin — 450mm+/-10mm — S-ATA — 150mm+/-5mm — S-ATA — 150mm+/-5mm — S-ATA X2

4 Pin Peripheral x 1

Molex 5Pin — 450mm+/-10mm — 4 Pin Peripheral — 150mm+/-5mm — 4 Pin Peripheral — 150mm+/-5mm — 4 Pin Peripheral X1

4 Pin Peripheral+ Floppy x 1

Molex 5Pin — 450mm+/-10mm — 4 Pin Peripheral — 150mm+/-5mm — 4 Pin Peripheral — 150mm+/-5mm — 4 Pin Floppy X1



600/700W

PCI-e 6Pin — 450mm+/-10mm — PCI-e 6+2 Pin X2

S-ATA x 2

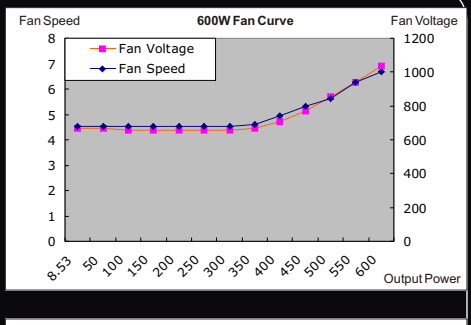
Molex 5Pin — 450mm+/-10mm — S-ATA — 150mm+/-5mm — S-ATA — 150mm+/-5mm — S-ATA X3

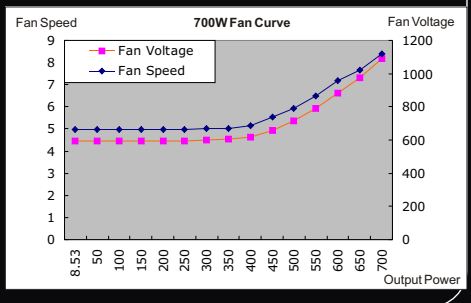
4 Pin Peripheral x 1

Molex 5Pin — 450mm+/-10mm — 4 Pin Peripheral — 150mm+/-5mm — 4 Pin Peripheral — 150mm+/-5mm — 4 Pin Peripheral X1

4 Pin Peripheral+ Floppy x 1

Molex 5Pin — 450mm+/-10mm — 4 Pin Peripheral — 150mm+/-5mm — 4 Pin Peripheral — 150mm+/-5mm — 4 Pin Floppy X1





©2008 Cooler Master Co., Ltd.All Rights Reserved. All trademarks are registered to their respective owners.