Amacrox

Calmer 560

Quiet with more power

0dB

ATX
12V 2.2

User Manual

Calmer 560

Silent with more power

Calmer 560 Quiet with more power

0dB

Product Features

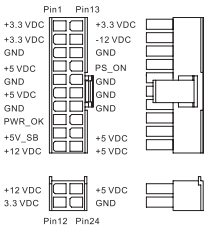
- 99% active power factor correction
- High efficiency design at 85%
- Universal full range AC Voltage Input
- Complies fully with the latest Intel ATX 12V 2.2 standard
- Total output protection solution (OVP, OCP, SCP)
- Protection from over-heating/over-voltage/voer-current/short-circuit
- Fan-less Power Supply
- Safety approved by CE, CB, FCC, UL, NEMKO, BSMI.
- SMD technology to enhance product reliability
- Super large, efficient cooling fins
- Effective heat-dissipation
- Smart housing connector

Technical Specifications

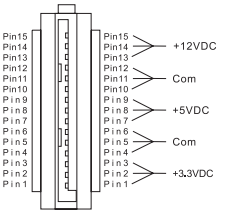
Input	Voltage	99Vac ~ 264Vac					
	Frequency	47Hz ~ 63Hz					
	Current	115V/5Amps 230V/2.5Amps					
	Efficiency	85% typical at full load					
	Power factor	0.99 typical					
Output	Voltage	+5V	+12V1	+12V2	+3.3V	-12V	+5Vsb
	Current (Min.)	0.0A	0.2A	0.2A	0A	0.0A	0.0A
	Current (Max.)	14.0A	14.0A	13A	20.0A	0.5A	2.5A
	Peak		15A	16.5A			3.5A
	Combined power	The +3.3V and +5V total output shall not exceed 130watts, total output power max shall not exceed 400W					
	Hold up time	17 ms min. at 115/230Vac and at full load					

All specifications are subject to changes without notification in adrance.

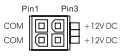
Outlet Power Connector



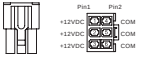
Main power connector



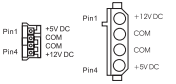
Serial ATA power connector



+12V power connector



+12V PCI Express connector



Peripheral power connector

Protection/Safety

Safety:

A. Over-voltage protection

In the event of an over-voltage, +3.3V, +5V & +12V, the power supply will automatically shut down. The remote or removal of the AC mains supply will reset the system.

B. Over-current protection

The power supply will shut down and require power-on to restart should this happen.

C. Short-circuit protection

Output short circuit is defined as a load of less than 0.1 ohm. Should there be a an output short circuit, the power supply will shut down without damaging the power supply and will return to normal once the short circuit is removed and the power switch is left off for c. 2 seconds.

Installation Instructions

1. Disconnect all power for the computer at the mains.
2. Remove the PC case/cover.
3. Unplug all power connectors from the old power supply.
4. Remove the 4 screws at the rear of the case holding your old power supply to the chassis.
5. Screw the 3 screws into the back of the case that will hold the power supply to the chassis.
6. Re-connect all power connectors from the power supply to the relevant computer components.
7. Ensure that there are no screws remaining loose inside the case to avoid short-circuiting the motherboard.
8. Replace the PC case/cover.

Safety and EMI

The following has certified the power supply unit:

CE, CB, FCC, UL, NEMKO, BSMI.

Warning

1. Do not open the top cover of the power supply unit.
2. Avoid exposing the power supply to over-humid conditions.

FAQ's

If the power supply unit fails to function properly, check the following:

- Is the AC input plugged in correctly & is the electrical outlet switched on?
- Check whether all the output connectors are connected properly to all the components.
- Disconnect the power cord from the unit in order to reset the power supply unit.

If your power supply still does not function correctly, please get in touch with your retailer for repair or replacement

Please refer to the website below for further information：

www.Amacrox.com

www.amacrox.com