

MACROBOOST Series

PSII 550W_650W_750W



Dimension \ 150 x 86 x 180mm

Features

- Meet EPS12V Vers 2.6 and downwards compatibility
- Automatic Thermal Control Configuration (Dual Fan)
- Universal AC power input
- Active Power Factor Correction (PFC)
- OVP (Over Voltage Protection)
- OCP (Over Current Protection)
- OTP (Over Temperature Protection)
- OPP (Over Power Protection)
- SCP (Short Circuit Protection)
- Serial-ATA connectors for SATA Devices
- Standard PC ATX12V / EPS12V wiring-interface
- MTBF > 100,000 Hours
- 3 years warranty

DC Output Characteristics

MACRO BOOST series				
Voltage	Min. Current	Max. Current 550W	Max. Current 650W	Max. Current 750W
+5V	1.5A	24A	24A	24A
+3.3V	1.0A	24A	24A	24A
+12V1	0.8A	14.5A	14A	16A
+12V2	0.8A	14.5A	14A	16A
+12V3	0.8A	14A	16A	16A
+12V4	0.8A	8A	14A	18A
-12VDC	0A	0.5A	0.5A	0.5A
5VSB	0.1A	2.0A	2.0A	2.0A

The maximum DC output power shall not be exceeded 550W / 650W / 750W.

Combined +5V and +3.3V power shall not be exceeded 140W .

550W :Maximun codtinuous load on combined +12V output shall not be exceeded 42A .

650W :Maximun codtinuous load on combined +12V output shall not be exceeded 50A .

750W :Maximun codtinuous load on combined +12V output shall not be exceeded 54A .

Description

The MACROBOOST series Power Supply are in compliance with the latest ATX12V/EPS12V Version specification, and are designed through high efficiency, density. The Dual Fan configuration is designed as a remote power and thermal exchanger of heat conduction technology. It makes MACROBOOST series a high reliability power supply to power applications for PC systems, as well as for 4U Rackmount Server system and Server Tower. The high-density unit meets the electrical and mechanical requirements and diversified into various applications.

General Specifications

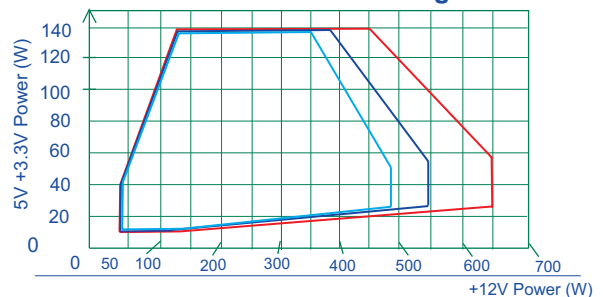
- Input Voltage Range 100 to 240VAC
- Input Frequency Range 47 to 63 Hz
- Power Factor: ≥ 0.96 at full load
- Power Good Signal: 100 to 500ms, TTL
- compatible signal
- PSON(Remote ON/OFF): TTL compatible signal
- Operating Temperature: 0 to 50 °C

Agency Requirements

- Harmonic: Meet EN61000-3-2 standards
- EMI/RFI: CE, FCC class B and CISPR class B
- Safety: UL, cUL, CB, CE, TUV

Cross Loading Graph

for MACROBOOST Configuration



- △ Cross Loading Graph for 550W Configuration
- ▢ Cross Loading Graph for 650W Configuration
- ▣ Cross Loading Graph for 750W Configuration

Redundnat Dual-FAN Configuration



Benefit Description

The Dual-Fan is not only designed for automatic thermal control, but also designed for fans redundancy configuration. The Fan1 located in front of power will be working when power suply is in normal, the Fan2 will be started under following situations:

- The internal temperature of PS reach : 60~65°C .
- The Fan1 is not working.

It will insure that power supply works properly and have high reality.