

DESCRIPTION

FSP200-63DL(12V) is an industrial level of switching power supply. The power supply comes to offer the total power capacity up to 200 Watts, and uses unique active PFC (Power Factor Correction) circuit design with its high-load electrical components, makes it to be perfectly used in an industrial environment. In addition, with its full range of input and output electrical features, the power supply is ideally the best choice for server, workstation, communication or any other automation applications to use. The product also complies with the latest safety and EMC standards, which is perfectly to meet various regulations worldwide.

APPLICATION

For standard, advanced server, communication and industrial power system.

FEATURES

- Low Ripple & Noise
- Output over voltage protection
- Short circuit protection on all outputs
- Resettable power shut down 100% burn-in under high ambient temperature(50°C)
- Vacuum-impregnated transformer
- MTBF:100K hours at 25°C
- 100% Hi-pot tested line input fuse protection

WATTAGE

Wattage: 200W

DIMENSION

Dimension: 150mm(L) x 81.5mm(W) x 40.5mm(H)

PRODUCT HIGHLIGHT

Efficiency Level: NON-80PLUS
PMBus: For standard, advanced server, communication and industrial power system.

INPUT SPECIFICATION

Input Range: -12~-18 Vdc
Input Current: 30A

GENERAL SPECIFICATION

Voltage: +3.3V, +12V, +5V, +5SB: ±5%
Regulation: -12V: ±10%
PWOK Delay Time: 500ms > PWOK > 100ms

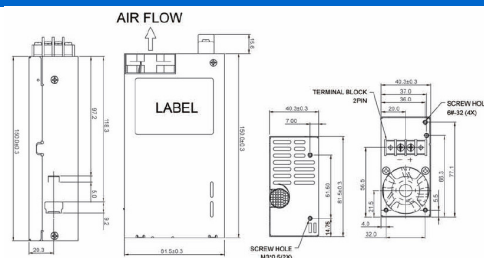
*Output Voltage and Current Rating

	+3.3V	+5V	+12V1	-12V	+5Vsb
Ripple-Noise(R-P) mV	50mV	50mV	120mV	120mV	50mV
Regulation Load %	±5%	±5%	±10%	±10%	±5%
Output Max.(A)	12A	12A	15.4A	0.5A	2A
Output Min.(A)	0A	1A	0.5A	0A	0A

NOTES

- 5V, 3.3V, 12V, -12V Will give the regulation to 10% when all load take off.
- $9V \leq \text{Input} < 10V$ The +3.3V and +5V total output shall not exceed 80 watts.
- $9V \leq \text{Input} < 10V$ The +3.3V, +5V and +12V total output shall not exceed 164 watts.
- The total output shall not exceed 180 watts
- $10V \leq \text{Input} < 10V$ The +3.3V and +5V total output shall not exceed 80 watts.
- $10V \leq \text{Input} < 10V$ The +3.3V, +5V and +12V total output shall not exceed 174 watts.
- The total output shall not exceed 190 watts
- $11V \leq \text{Input} < 10V$ The +3.3V and +5V total output shall not exceed 80 watts.
- $11V \leq \text{Input} < 10V$ The +3.3V, +5V and +12V total output shall not exceed 184 watts.
- The total output shall not exceed 200 watts

MECHANICAL SPECIFICATION



This content is subject to change, please refer to specification for more detail.
 FSP reserve the right to change the content without prior notice



SAFETY STANDARD APPROVAL



OUTPUT SPECIFICATION

Output Voltage Regulation: +3.3Vdc output : +3.7 Vdc minimum, + 4.1Vdc maximum

+5Vdc output : +5.7 Vdc minimum, + 6.5Vdc maximum

+12Vdc output : +13.1 Vdc minimum, + 14.5Vdc maximum

Output Rise Time:

DC input -12V 5V 20ms

Maximum

DC input -12V 3.3V 20ms

Maximum

DC input -12V 12V 20ms

Maximum

Ripple & Noise:

3.3V:50mV

5V:50mV p-p

12V1:120mV p-p

-12V:120mV p-p

5Vsb:50mV p-p

Over Current Protection:

+5-----18A maximum

+12V-----24A maximum

+3.3V----18A maximum

load < 0.1 Ohm

Short Circuit Protection:

ENVIRONMENTAL SPECIFICATION

TEMP.Range:

Storage Temperature: -20°C to + 80°C

MTBF:

The power supply have a minimum predicted MTBF(MIL-HDBK-217) of 100,000 hours of continuous operation at 25°C, maximum-output load, and nominal AC inout voltage