

TECHNICAL DATASHEET CRPS Power Distribution Board (PDB) FSP-FC250C2



FSP-FC250C2

FEATURES

- A high reliability PDB(power distribution board)
- CRPS module compatible
- Fits mounting holes for general PS2 PSU
- Meet PMBus 1.2
- Design for 5,000 Meter above sea level
- Low Ripple & Noise
- Over Current Protection
- Over Temperature Protection
- Over Voltage Protection
- Cable Management

(PDB with CRPS Module inserted)

DESCRIPTION

FSP-FC250C2 is a PDB(power distribution board) designed for CRPS (common redundant power supply) based on its standard. It supports total power up to 3200 Watts. In addition, the PDB is featuring its cable manageability and PMBus capability, ideally the best choice for datacenter, workstation, telecom applications. The PDB shipment does not include CRPS module.

GENERAL SPECIFICATIONS

Dimension (L x W x H): 250 x 76 x 83.8 (mm)

| Environment | |
|----------------------|-----------------------------|
| Working temperature: | 0°C to 55°C |
| Storage temperature: | -40°C to + 70°C |
| Working humidity: | 5% to 90% RH non-condensing |
| Storage humidity: | 5% to 95% RH non-condensing |
| | |

MTBF (SR-332 Issue 2): 500,000 hours of continuous operation at 55°C, 100% output load

Operating altitude: 5,000 meters above sea level Applications: Storage System , Workstation, Industry Controller

OUTPUT RATING (FSP-FC250C2)

| Output Power | Input Voltage | Current Range | DC Outputs | | | | |
|-----------------|-----------------------|------------------|------------|-------|--------|------|-------|
| | | | +3.3V | +5V | +12V | -12V | +5VSB |
| | | Min. Current | 0A | 0A | 1A | 0A | 0A |
| 1600W | 100~240VAC (1000W) | Max. Current | 12A | 24A | 80.5A | 0.3A | 5A |
| | | Combined Power | 972W | | | 3.6W | 25W |
| | 200~240VAC (1600W) | Max. Current | 12A | 24A | 130.3A | 0.3A | 5A |
| | | Combined Power | 1572W | | | 3.6W | 25W |
| 2000W | 100~240VAC (1000W) | Max. Current | 12A | 24A | 80.5A | 0.3A | 5A |
| | | Combined Power | 972W | | | 3.6W | 25W |
| | 200~240VAC (2000W) | Max. Current | 12A | 24A | 163.6A | 0.3A | 5A |
| | | Combined Power | | 1972W | | 3.6W | 25W |



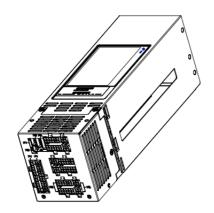
TECHNICAL DATASHEET CRPS PS2 Power Distribution Board (PDB) FSP-FC250C2

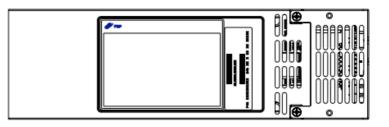
| Output Power | Input Voltage | Current Range | DC Outputs | | | | |
|-----------------|-----------------------|------------------|------------|-----|--------|------|-------|
| | | | +3.3V | +5V | +12V | -12V | +5VSB |
| 2400W | 100~240VAC | Max. Current | 12A | 24A | 80.5A | 0.3A | 5A |
| | | Combined Power | 972W | | | 3.6W | 25W |
| | 200~240VAC (2400W) | Max. Current | 12A | 24A | 196.7A | 0.3A | 5A |
| | | Combined Power | 2372W | | | 3.6W | 25W |
| 0700\\ | 100~240VAC | Max. Current | 12A | 24A | 80.5A | 0.3A | 5A |
| | | Combined Power | 1000W | | | | |
| 2700W | 200~240VAC (2700W) | Max. Current | 12A | 24A | 221.4A | 0.3A | 5A |
| | | Combined Power | 2700W | | | | |
| | 100~240VAC | Max. Current | 12A | 24A | 80.5A | 0.3A | 5A |
| 3000W | | Combined Power | 1000W | | | | |
| | 210~240VAC (3000W) | Max. Current | 12A | 24A | 80.5A | 0.3A | 5A |
| | | Combined Power | 3000W | | | | |
| | 100~240VAC | Max. Current | 12A | 24A | 80.5A | 0.3A | 5A |
| 220014/ | | Combined Power | 1000W | | | | |
| 3200W | 220~240VAC (3200W) | Max. Current | 12A | 24A | 262.3A | 0.3A | 5A |
| | | Combined Power | 3200W | | | | |

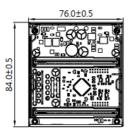
* FSP-FC250C2 supports 1600–3200W CRPS modules, while FSP-FC250C supports 550–2400W modules.

MECHANICAL SPECIFICATIONS

UNIT: mm







2

