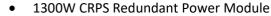
CRPS 1300W MODULE

FSP1300-2Q01A



FEATURES



- Full range AC input, Active PFC
- 80+ Platinum Efficiency
- Working temperature up to 55°C (24 hours working)
- PMBus 1.2 Interface for digital power management
- Full protection functions (OVP, UVP, OCP, OTP, SCP.....)
- Hot-swap module without system shut-down
- Active current sharing function
- Best for Datacenter, storage and AI servers





DESCRIPTION

FSP1300-2Q01A is a redundant power supply module based on CRPS 2.0 standard. This power supply offers the total capacity up to 1300 Watts, and uses a unique active PFC (Power Factor Correction) circuit design with high-load electrical components, which makes it perfect for use in industrial environments. It also features with PMBus interface, which makes PSU possible to communicate with motherboard for digital power management. In addition, this power supply is ideally the best choice for datacenter, workstation, AI & Edge, industrial automation applications.

GENERAL SPECIFICATIONS

Dimension (L x W x H): 185 x 40.5 x 73.5 (mm)

94% @ 50% load & 230Vac Efficiency:

Power factor: 0.98 @50% load, 230Vac 50Hz

Hold-up time at 70%

115V / 60Hz: ≥ 12ms loading:

230V / 50Hz: ≥ 12ms

Input Inrush Current:

Environment

0°C to 55°C (Full Loading) Working temperature:

Storage temperature: -40°C to + 70°C

Working humidity: 95% RH non-condensing 95% RH non-condensing Storage humidity:

MTBF (SR-332 Issue 2): 250,000 hours of continuous operation at

35°C, 100% output load

Datacenter, Storage, Al/Edge, IPC Controller Applications:

INPUT SPECIFICATIONS

90-264Vac/180-310Vdc Input voltage:

Input frequency: 47-63Hz

8A @ 90Vac, 100% load Input current:

OUTPUT RATING

Model	Output voltage (V)	Output current (A)
FSP1300-2Q01A	12.2V	2 – 105.3 A
	12.2Vsb	0.5 - 3.0 A

TECHNICAL DATASHEET

CRPS 1300W MODULE

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MECHANICAL SPECIFICATIONS

UNIT: mm

