

FSP1600-20FH



FEATURES

- Certified CB 62368-1 & CB 60950-1
- HVDC Input
- Meet 80 Plus Platinum
- Meet CRPS 2.0
- Meet PMBus 1.2
- Design for 5,000 Meter above sea level
- High Reliability
- Low Ripple & Noise
- Over Current Protection
- Over Temperature Protection
- Over Voltage Protection

SAFETY STANDARD APPROVAL



DESCRIPTION

FSP1600-20FH is a redundant power supply module base on CRPS 2.0 standard. The power supply comes to offer the total power capacity up to 1600 Watts, and provides PMbus features, which makes it to be able communicate with motherboard. In addition, the power supply is ideally the best choice for new generation datacenter applications to use. The product also complies with the latest safety and EMC standards, which is perfectly to meet various regulations worldwide.

GENERAL SPECIFICATIONS

Dimension (L x W x H):	185 x 73.5 x 39 (mm) 7.28 x 2.89 x 1.53 (inch)	Environment	Working temperature: 0°C to 55°C Storage temperature: -20°C to + 80°C Working humidity: 5% to 90% RH non-condensing Storage humidity: 5% to 95% RH non-condensing
Efficiency:	80 Plus Platinum	MTBF (SR-332 Issue 2):	250,000 hours of continuous operation at 45°C, 75% output load
Hold-up time at 100% Loading:	12V = 11ms 12Vsb = 70ms	Applications:	Storage System , Workstation, Industry Controller
Operating altitude:	5,000 meters above sea level		

INPUT SPECIFICATIONS

HVDC input:	Min. Voltage	Rated Voltage	Max. Voltage	Start up Voltage	Power off Voltage
	180Vdc	336Vdc	400Vdc	175V ±4Vdc	165Vdc ±5Vdc

Accept AC input: 90-264Vac, 47-63Hz

OUTPUT RATING

Outputs	Input Voltage	Min. Current	Max. Current	CLST Peak 20 Sec. duration	CLST Peak 10m Sec. duration	Pmax Peak 100µ Sec. duration
+12V	90~120V	0.5A	80.5A	Rated +6.0A	Rated +30.0A	Rated +45.0A
+12V	180~264V	0.5A	130.3A	Rated +6.0A	Rated +30.0A	Rated +45.0A
+12Vsb	90~264V	0.0A	3.0A	>4.0A	NA	NA

Note: 100Vac to 127Vac, rating current is 80.5A
180Vac to 264Vac, rating current is 130.3A

MECHANICAL SPECIFICATIONS

UNIT: mm

