TECHNICAL DATASHEET

1600W CRPS Module

FSP1600-21HM

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FEATURES

- Certified CB 62368-1
- Meet 80 Plus Titanium
- Meet CRPS standard
- Meet PMBus 1.2
- Support HVDC Input
- 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

c UL us LISTED I.T.E. POWER SUPPLY E190414

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DESCRIPTION

FSP1600-21HM is a redundant power supply module base on CRPS 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 datacenter, 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.

GENERAL SPECIFICATIONS

Dimension (L x W x H): 185 x 73.5 x 39 (mm)
7.28 x 2.89 x 1.53 (inch)

Efficiency: 80 Plus Titanium

Hold-up time: Max. load at 12V >11ms

Operating altitude: 5,000 meters above sea level

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): 250,000 hours of continuous operation at 55˚C, 75% output load

Applications: Storage System , Workstation, Industry Controller

INPUT SPECIFICATIONS

Input voltage: 90-264Vac or 180Vdc-310Vdc
Input frequency: 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	90~140V	1A	80.5A	Rated + 10A	Rated + 72A	Rated + 105A
+12V	200~264V	1A	130.3A	Rated + 10A	Rated + 72A	Rated + 105A
+12Vsb	90~264V	0.0A	3.0A	4.0A	NA	NA

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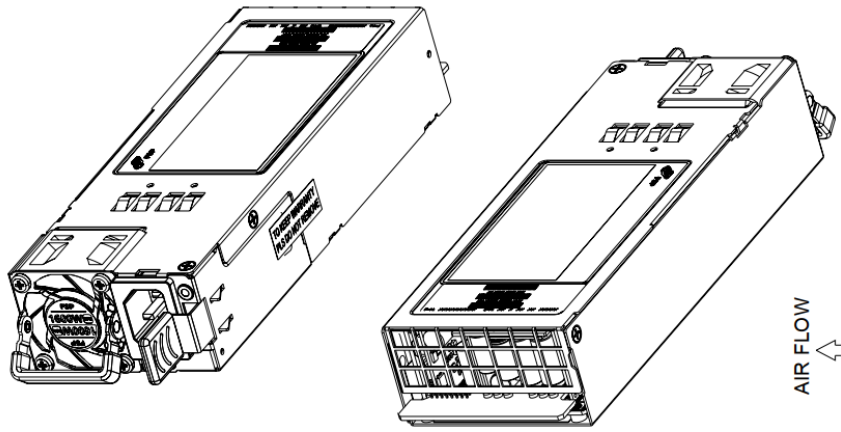
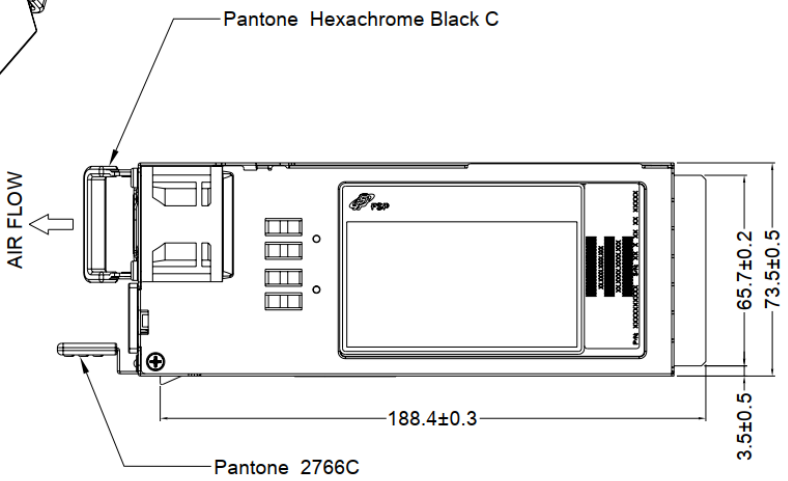
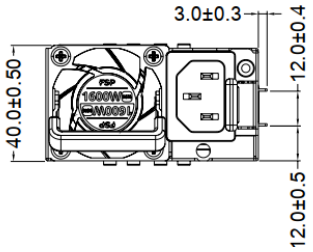
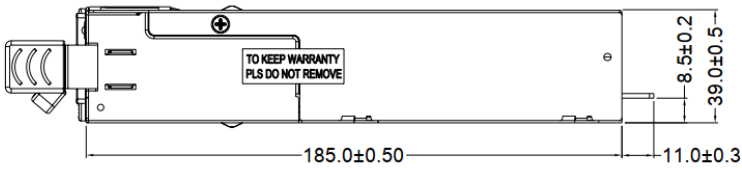
MECHANICAL SPECIFICATIONS

UNIT: mm









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