

CPR-3221-4M1

3200W MCRPS Power Supply AC/DC to DC Dual-input Redundant



FEATURES

- High Efficiency: 96%@50%Load
- Secured Communication
- PMBus, SMBus, I2C functions
- Fully digital power supply
- Smart Fan Speed Control
- Hot Swappable
- In-system Firmware Upload
- Illuminated handle indicates power status



■ Dimension : 185 x 73.5 x 40 mm (D x W x H)

⚠ Product details and image are for reference and final product is subject to change without notice.

SPECIFICATIONS

▶ INPUT

Voltage	AC input: 90 - 264Vac DC Input: 192 - 310Vdc
Frequency	47 - 63Hz

▶ POWER FACTOR

Load (%)	Output Power
10%	92%
20%	96%
50%	98%
100%	99%

* These requirements are within the Energy Star® Program Requirements for Computer Servers.

▶ OUTPUT

Parameter	54.5V	12.2Vsb
Max Load	58.71A	3.0A
Regulation	±0.37%	±2.91%
Ripple & Noise	540mVp-p	120mVp-p

▶ PROTECTION, RELIABILITY, WARRANTY

Over Current Protection (OCP)
Over Power Protection (OPP)
Over Voltage Protection (OVP)
Under Voltage Protection (UVP)
PFC Over Voltage Protection (Bulk OVP)
Over Temperature Protection (OTP)
Holdup Time: 11msec @ 100% Load
MTBF: >400,000 hours @ 100% Load, 30°C Ambient
Warranty: 3 Years

▶ ENVIRONMENTAL

Temperature	Operating : -5°C to 50°C Non-operating : -40 to 70°C / Ambient
Altitude	Operating: to 5,000 meters Non-operating: to 15,200 meters
Relative Humidity	Operating: to 85% RH, Non-condensing Storage: to 95% RH, Non-condensing

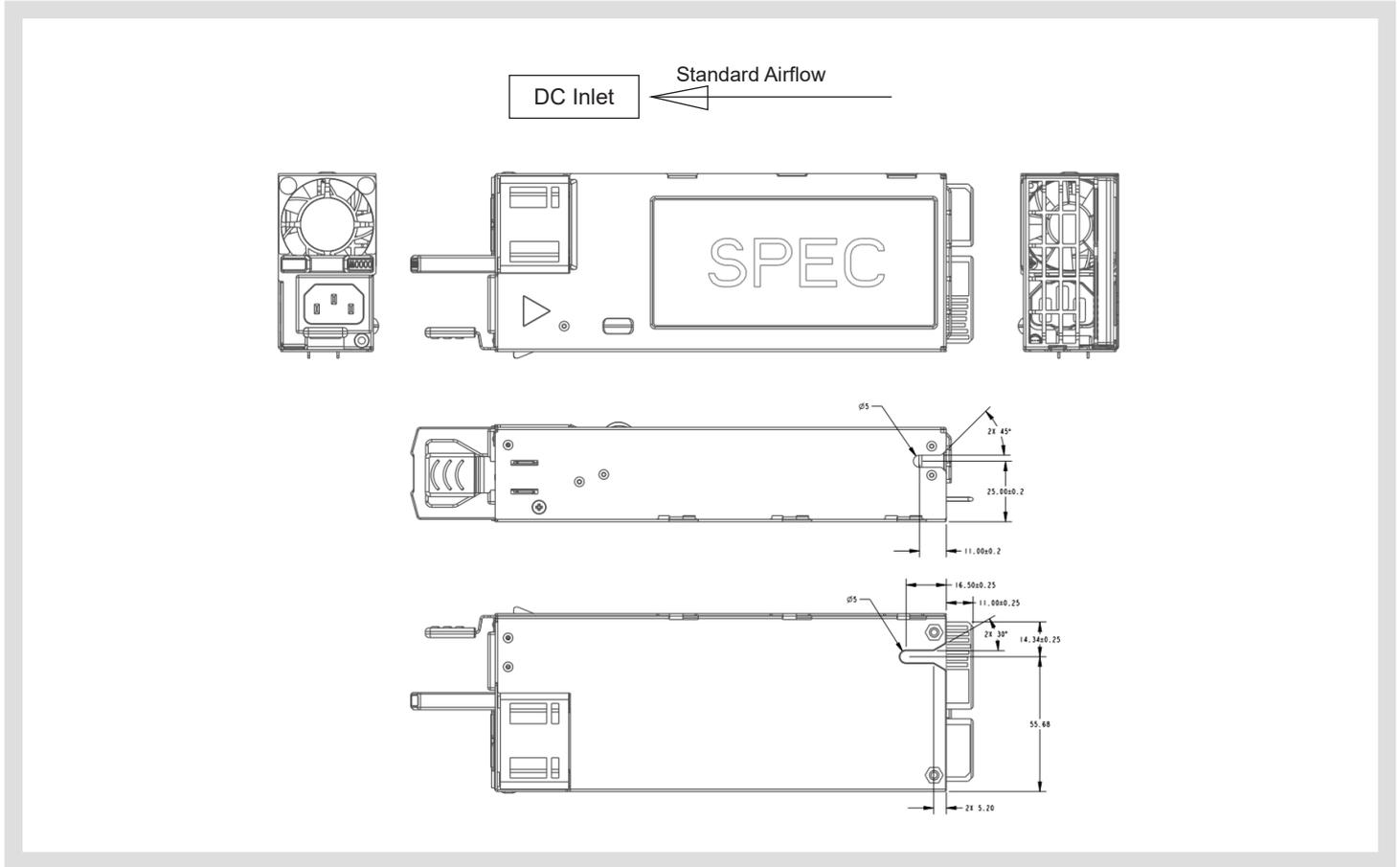
SAFETY AND COMPLIANCE

UL, CE, CCC, CB, FCC class A, CISPR Class A, RoHS, BSMI

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MECHANICAL DRAWING



CONNECTORS

AC Inlet	IEC 320 C-20 (16A / 250Vac)
DC Output	73.5mm output receptacle. Refer to MCRPS Connector Information for options.
DC Output Mating	Refer to MCRPS Connector Information for options.

OUTPUT CONNECTOR PIN ASSIGNMENTS

High power Connector / Top Side				High power Connector / Bottom Side			
PIN#	Signal Name	PIN#	Signal Name	PIN#	Signal Name	PIN#	Signal Name
P1	GND	S1	PMBus SDA	P7	GND	S8	A0 (SMBus address)
P2	GND	S2	PMBus SCL	P8	GND	S9	A1 (SMBus address)
P3	GND	S3	PSON#	P9	Empty	S10	+12Vstby
P4	Empty	S4	SMBAlert#	P10	Empty	S11	Cold Redundancy Bus
P5	+54.5V	S5	Return sense /PSKILL	P11	+54.5V	S12	Load share bus
P6	+54.5V	S6	+12V remote sense	P12	+54.5V	S13	Imon
		S7	PWOK			S14	VINOK



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