

CDR-2222-3M1

2200W Blade Server Power Supply AC/DC to DC Dual-input Redundant



FEATURES

- High Efficiency: 94%
- Hot Swappable
- PMBus Support
- Smart Fan Speed Control
- Active Power Factor Correction
- In-system Firmware Upload



■ Dimension : 203.5 x 106.5 x 82.4 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 - 264 Vac DC input: 180 - 300 Vdc
Frequency	47 - 63Hz
Current	AC 180-220V / 13-11A DC 230-240V / 10-9.8A

▶ EFFICIENCY

Load (%)	
10%	82%
20%	91%
50%	94%
100%	91%

▶ OUTPUT

Parameter	54V	12V	12Vsb
Max Load	40.74A	41.67A	3A
Regulation	±3%	±5%	±5%
Ripple & Noise	500mVp-p	120mVp-p	120mVp-p

▶ PROTECTION, RELIABILITY, WARRANTY

Over Current Protection (OCP)
Over Power Protection (OPP)
Over Voltage Protection (OVP)
Over Temperature Protection (OTP)
Holdup Time: 12msec @ 70% Load
MTBF: >500,000 hours @ 30 °C
Warranty: 3 Years

▶ ENVIRONMENTAL

Temperature	Operating : to 50°C Non-operating : -40 to 70°C
Altitude	Operating: to 16,500 feet (5,000 meters) Non-operating: to 35,000 feet (10,580 meters)
Relative Humidity	Operating: 20% to 90% RH, Non-condensing Storage: 5% to 95% RH, Non-condensing

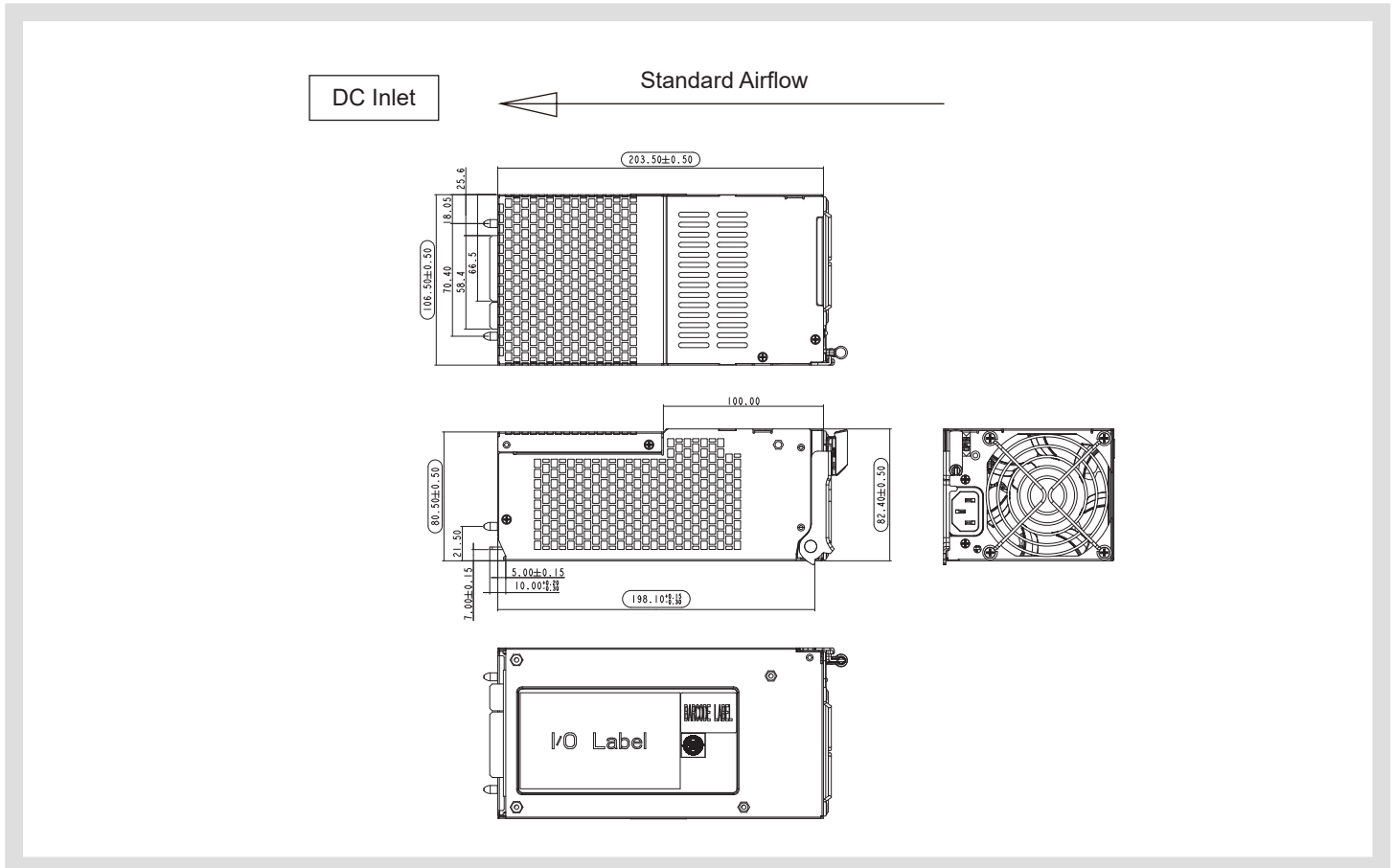
SAFETY AND COMPLIANCE

UL, CE, CQC, TUV/CB, FCC class A, CISPR Class A, BIS, BSMI, RoHS, REACH

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MECHANICAL DRAWING



CONNECTORS

AC Inlet	IEC 320 C-14 (15A / 250 VAC)
DC Output	Gold Finger
DC Output Mating	FCI AMP 32P+22S

OUTPUT CONNECTOR PIN ASSIGNMENTS

Power and Signal Connection on PS										On Back Plane (BP)									
PIN #	Signal Name	PIN #	Signal Name	PIN #	Signal Name	PIN #	Signal Name	PIN #	Signal Name	PIN #	Signal Name	PIN #	Signal Name	PIN #	Signal Name	PIN #	Signal Name	PIN #	Signal Name
S12	SMBAlert	P17	+12V	P28	DC Return	S5	A0	P10	+54V	S12	SMBAlert (pull-up 3.3V)	P17	+12V	P28	DC Return	S5	A0	P10	+54V
S13	I2C SDA2	P18	+12V	P29	DC Return	S4	Reserved	P9	+54V	S13	Reserved	P18	+12V	P29	DC Return	S4	Reserved	P9	+54V
S14	DC GOOD	P19	+12V	P30	DC Return	S3	Ishare_12V	P8	DC Return	S14	DC GOOD (pull-up 3.3V)	P19	+12V	P30	DC Return	S3	12V_sharing bus and connect this pin together on BP connector	P8	DC Return
S15	M1_Active	P20	+54V	P31	DC Return	S2	Present_L	P7	DC Return	S15	M1 (pull-up 3.3V)	P20	+54V	P31	DC Return	S2	Present_L (pull-up at BP)	P7	DC Return
S16	I2C SCL1	P21	+54V	P32	DC Return	S1	54V RS	P6	DC Return	S16	I2C SCL1	P21	+54V	P32	DC Return	S1	+54V remote sense	P6	DC Return
S17	A2	P22	+54V	S11	Ishare_54V	P16	+12V	P5	DC Return	S17	A2	P22	+54V	S11	+54V Ishare and connect this on BP connectors	P16	+12V	P5	DC Return
S18	Battery ID	P23	+54V	S10	I2C SCL2	P15	+12V	P4	DC Return	S18	Battery ID	P23	+54V	S10	Reserved	P15	+12V	P4	DC Return
S19	Reserved (for Wakeup_bus)	P24	+54V	S9	PSON-Test	P14	+12V	P3	DC Return	S19	Connect this pin together on BP connectors	P24	+54V	S9	Connect to GND directly	P14	+12V	P3	DC Return
S20	12V-RS	P25	DC Return	S8	M2_Active	P13	+12V	P2	DC Return	S20	12V-RS	P25	DC Return	S8	M2 (connected to GND directly)	P13	+12V	P2	DC Return
S21	12Vsb	P26	DC Return	S7	I2C SDA1	P12	+54V	P1	DC Return	S21	12Vsb	P26	DC Return	S7	I2C SDA1	P12	+54V	P1	DC Return
S22	12Vsb	P27	DC Return	S6	A1	P11	+54V			S22	12Vsb	P27	DC Return	S6	A1	P11	+54V		



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