

CDR-3022-3M1

3000W Blade Server Power Supply AC/DC to DC Dual-input Redundant



FEATURES

- High Efficiency: 96%
- Hot Swappable
- PMBus Support
- Smart Fan Speed Control
- Active Power Factor Correction
- In-system Firmware Upload



■ Dimension : 245.3 x 106.5 x 84.1 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: 180 - 264 Vac DC input: 180 - 300 Vdc
Frequency	47 - 63Hz
Current	AC 200-207V / 16-15.7A DC 240V / 15A

► EFFICIENCY

Load (%)	
10%	90%
20%	94%
50%	96%
100%	91%

► OUTPUT

Parameter	12V	12Vsb
Max Load	65%	35%
Regulation	±5%	±5%
Ripple & Noise	120mVp-p	120mVp-p

► PROTECTION, RELIABILITY, WARRANTY

Over Current Protection (OCP)
Over Power Protection (OPP)
Over Voltage Protection (OVP)
Over Temperature Protection (OTP)
Short Circuit Protection (SCP)
Holdup Time: 11.2msec @ 75% Load
MTBF: >500,000 hours @ 30 °C
Warranty: 3 Years

► ENVIRONMENTAL

Temperature	Operating : to 60°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

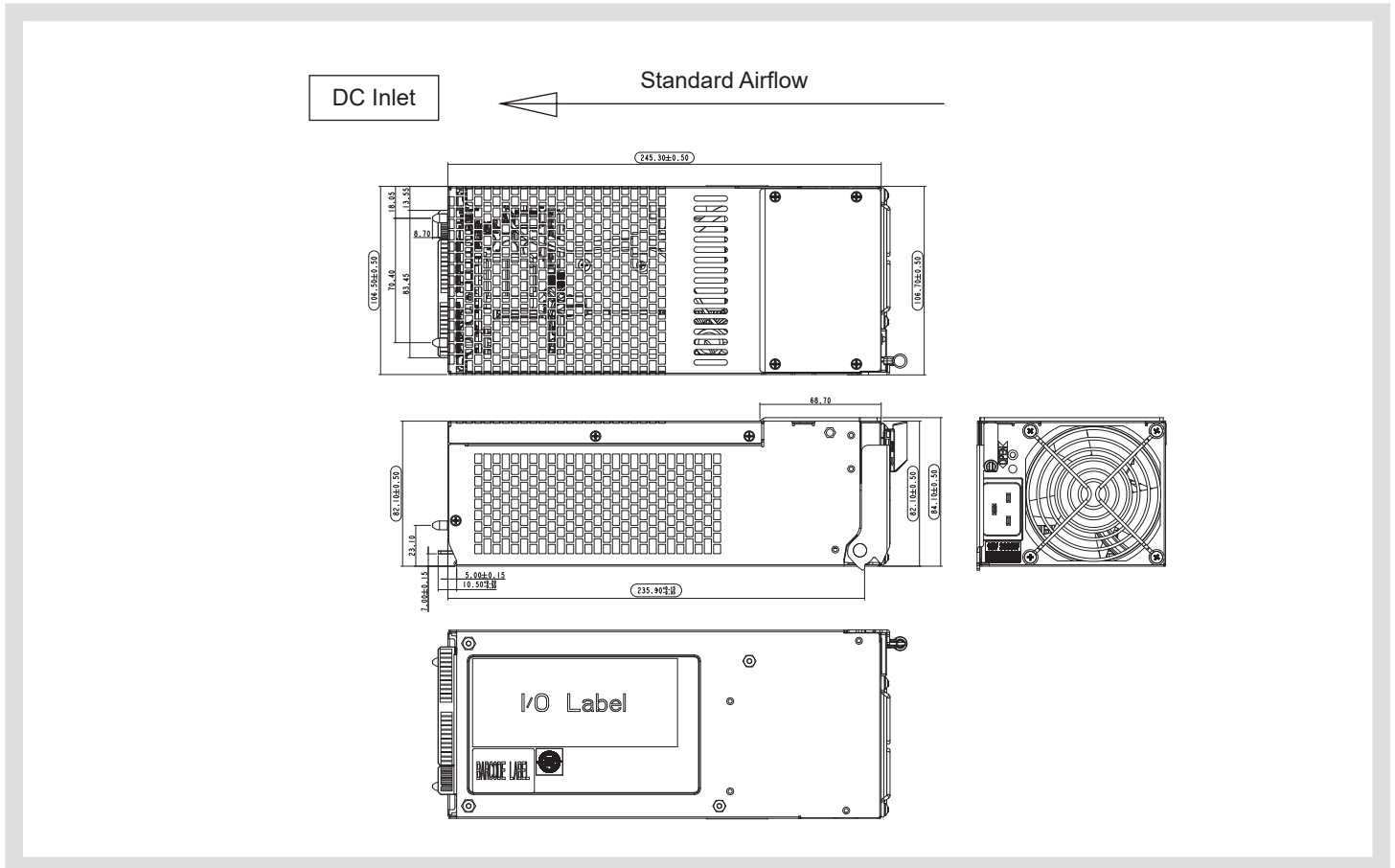
SAFETY AND COMPLIANCE

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

CDR-3022-3M1



MECHANICAL DRAWING



CONNECTORS

AC Inlet	IEC 320 C20 (20A/250Vac)
DC Output	Gold Finger
DC Output Mating	FCI eHPCE 26P22S

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	P14	+12V	P25	DC Return	S2	Present_L	P4	DC Return	S12	SMBAlert (pull-up 3.3V)	P14	+12V	P25	DC Return	S2	Present_L (pull-up at BP)	P4	DC Return
S13	I2C SDA2	P15	+12V	P26	DC Return	S1	12V RS	P3	DC Return	S13	SDA2	P15	+12V	P26	DC Return	S1	+12V remote sense	P3	DC Return
S14	DC GOOD	P16	+12V	S11	Ishare	P13	+12V	P2	DC Return	S14	DC GOOD (pull-up 3.3V)	P16	+12V	S11	+12V Ishare and connect this pin together on BP connector	P13	+12V	P2	DC Return
S15	M1_Active	P17	+12V	S10	I2C_SCL2	P12	+12V	P1	DC Return	S15	M1_Active	P17	+12V	S10	SCL2	P12	+12V	P1	DC Return
S16	I2C_SCL1	P18	+12V	S9	PSON-Test	P11	+12V			S16	I2C_SCL1	P18	+12V	S9	Connect to GND directly	P11	+12V		
S17	A2	P19	+12V	S8	M2_Active2	P10	+12V			S17	A2	P19	+12V	S8	M2_Active2	P10	+12V		
S18	Battery ID	P20		S7	I2C_SDA1	P9	+54V			S18	Battery ID	P20		S7	I2C_SDA1	P9	+12V		
S19	Wakeup_bus	P21	DC Return	S6	A1	P8	+54V			S19	Connect this pin together on BP connectors	P21	DC Return	S6	A1	P8	+12V		
S20	12V-RS	P22	DC Return	S5	A0	P7				S20	+12V remote sense	P22	DC Return	S5	A0	P7			
S21	12Vsb	P23	DC Return	S4	Reserved	P6	DC Return			S21	12Vsb	P23	DC Return	S4	Reserved	P6	DC Return		
S22	12Vsb	P24	DC Return	S3	12Vsb-Ishare	P5	DC Return			S22	12Vsb	P24	DC Return	S3	12Vsb sharing bus and connect this pin together on BP connector	P5	DC Return		



Compuware Technology Inc.

Tel: 886-2-8226-3936 Address: 5F., No. 232, Liancheng Rd., Zhonghe Dist., New Taipei City 235, Taiwan (R.O.C.)



www.compuware-us.com

Datasheet-CDR-3022-3M1-20241101