

CDR-2021-7M1

2000W CRPS Power Supply DC to DC Redundant

FEATURES

- High Efficiency: 92%
- Hot Swappable
- PMBus Support
- Smart Fan Speed Control
- In-system Firmware Upload
- NEBS Level 3



■ Dimension : 265 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	DC input: -48 to -60 Vdc
Current	55A - 43A

► EFFICIENCY

Load (%)	
10%	80%
20%	88%
50%	92%
100%	88%

► OUTPUT

Parameter	12V	12Vsb
Max Load	166.6A	4.0A
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)
Holdup Time: 2msec @ 70% Load
MTBF: >400,000 hours @ 30 °C
Warranty: 3 Years

► ENVIRONMENTAL

Temperature	Operating : -5 to 50°C Non-operating : -40 to 70°C
Altitude	Operating: to 16,500 feet (5,000 meters) Non-operating: to 49,800 feet (15,200 meters)
Relative Humidity	Operating: to 85% RH, Non-condensing Storage: to 95% RH, Non-condensing

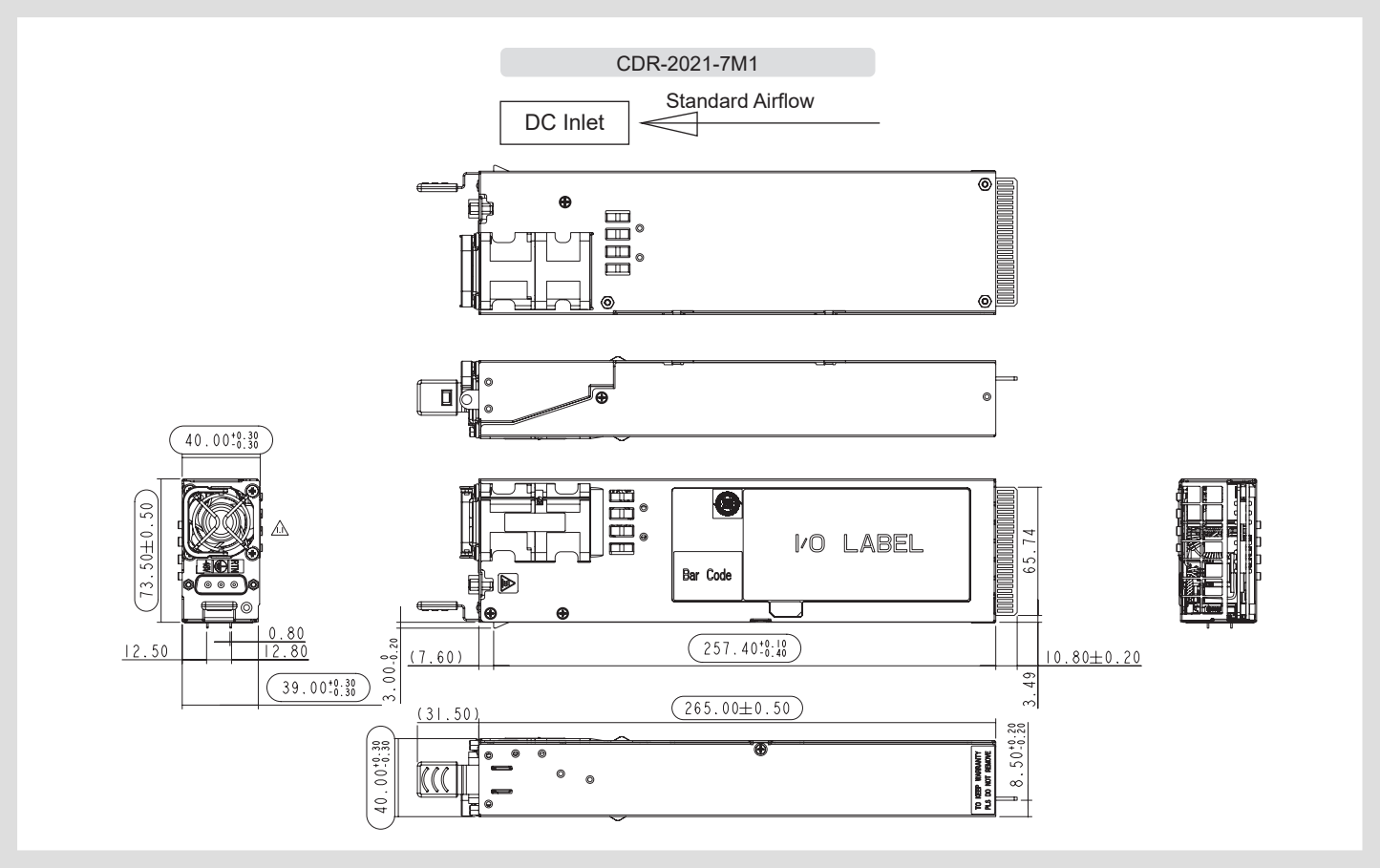
SAFETY AND COMPLIANCE

UL, CE, CQC, CB, FCC class A, CISPR Class A, RoHS,
NEBS Level 3

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MECHANICAL DRAWING



CONNECTORS

AC Inlet	LCC17 series 3Pin D sub 55A
DC Output	Gold Finger
DC Output Mating	FCI power card connector 10035388-102LF

OUTPUT CONNECTOR PIN ASSIGNMENTS

Bottom						Top					
PIN#	Signal Name	PIN#	Signal Name	PIN#	Signal Name	PIN#	Signal Name	PIN#	Signal Name	PIN#	Signal Name
A1	GND	A10	+12V	A19	PMBus SDA	B1	GND	B10	+12V	B19	A0 (SMBus address)
A2	GND	A11	+12V	A20	PMBus SCL	B2	GND	B11	+12V	B20	A1 (SMBus address)
A3	GND	A12	+12V	A21	PSON	B3	GND	B12	+12V	B21	12V Standby
A4	GND	A13	+12V	A22	SMBAlert#	B4	GND	B13	+12V	B22	Wake Up Bus (reserved, no connect)
A5	GND	A14	+12V	A23	Return Sense	B5	GND	B14	+12V	B23	12V load share bus (Vshare)
A6	GND	A15	+12V	A24	+12V remote sense	B6	GND	B15	+12V	B24	Present (connect to ground)
A7	GND	A16	+12V	A25	PWOK	B7	GND	B16	+12V	B25	A2 (SMBus address)
A8	GND	A17	+12V			B8	GND	B17	+12V		
A9	GND	A18	+12V			B9	GND	B18	+12V		



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