

CDR-2021-9M1

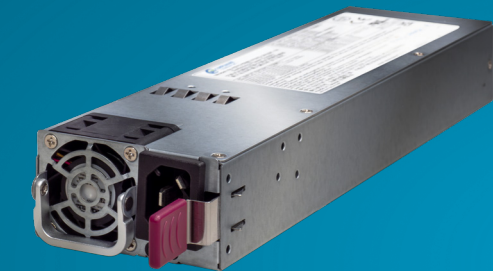
CDR-2021-9M4

2000W CRPS Power Supply

AC/DC Dual-input Redundant

FEATURES

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



■ 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	AC input: 90 - 264 Vac DC input: 180 - 300 Vdc
Frequency	47 - 63Hz
Current	AC 200-240V / 10-9.8A DC 230-240V / 10-9.8A

► EFFICIENCY, PFC, THD

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

► OUTPUT

Parameter	12V	12Vsb
Max Load	166A	3.5A
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 Thermal Protection (OTP)
Over Current Warning (OCW)
Holdup Time: 11.2msec @ 70% Load
MTBF: >400,000 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 49,800 feet (15,200 meters)
Relative Humidity	Operating: to 93% RH, Non-condensing Storage: to 95% RH, Non-condensing

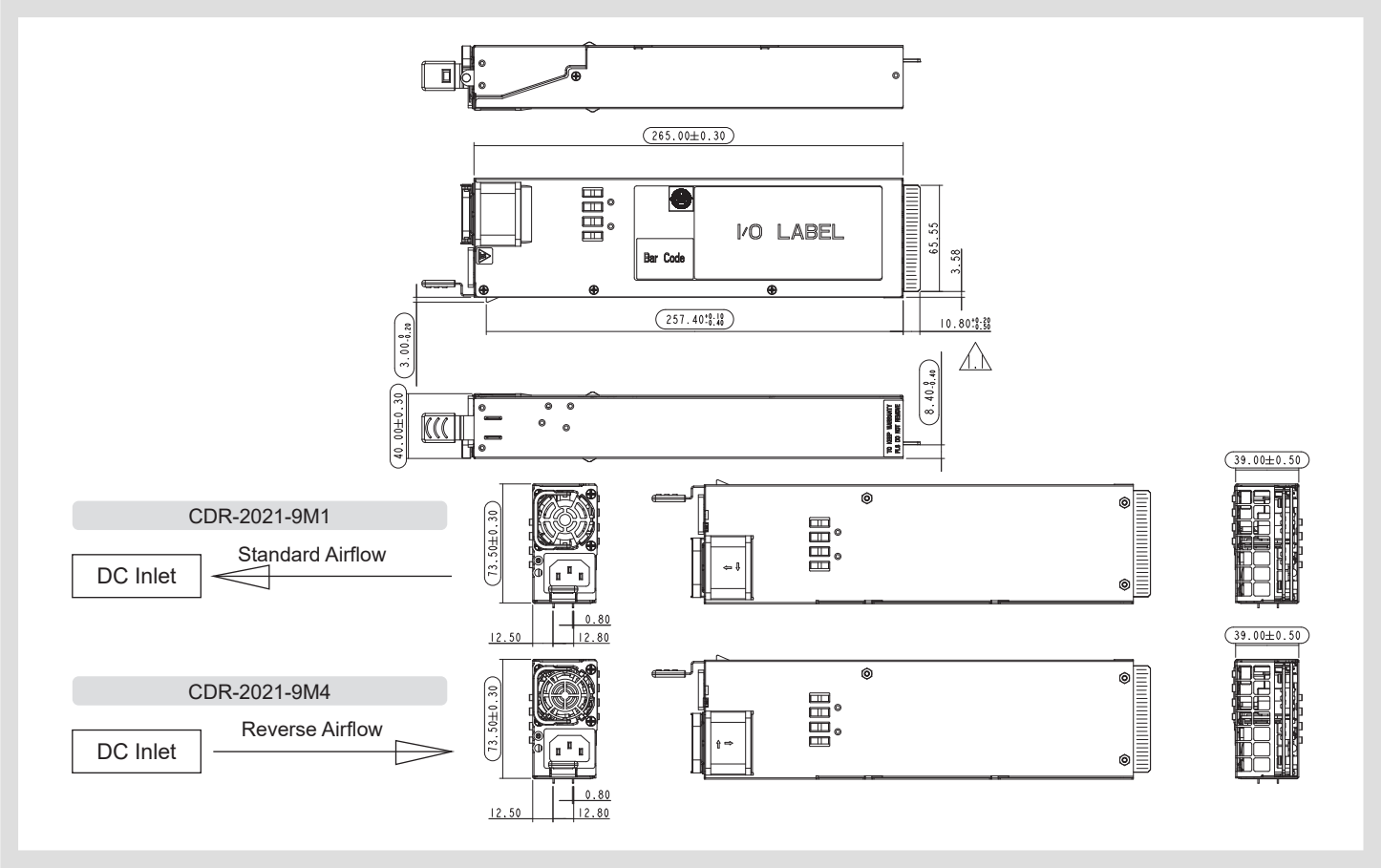
SAFTY AND COMPLIANCE

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

CDR-2021-9M1 / CDR-2021-9M4



MECHANICAL DRAWING



CONNECTORS

AC Inlet	IEC 320 C-14 (10A / 250VAC)
DC Output	Gold Finger
DC Output Mating	Tektronix model P6046 or equivalent

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	Cold Redundancy Bus
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	Reserve
A8	GND	A17	+12V			B8	GND	B17	+12V		
A9	GND	A18	+12V			B9	GND	B18	+12V		



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