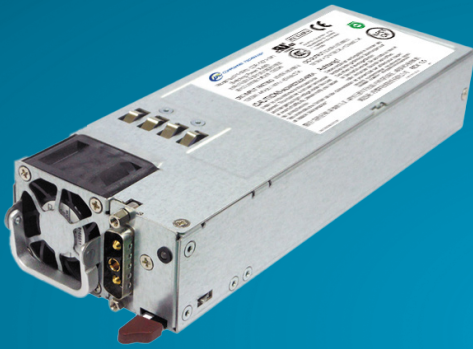


# CDR-1321-1M4

**1300W** CRPS Power Supply  
DC to DC Redundant

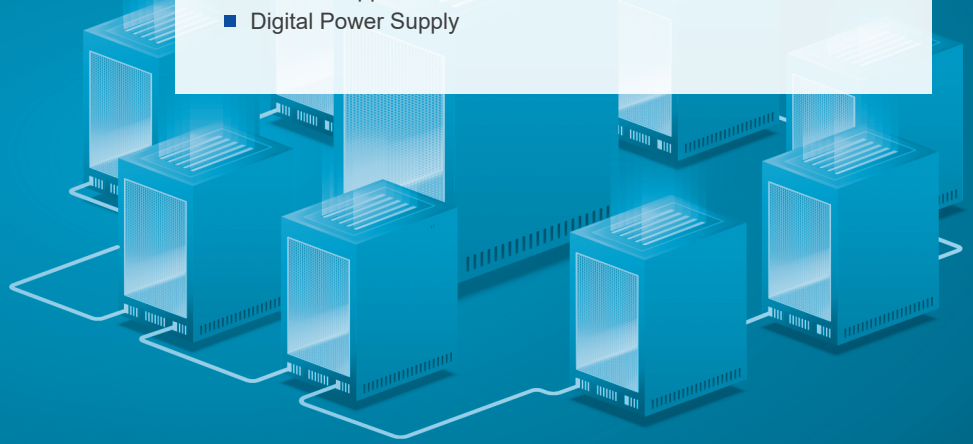


## FEATURES

- High Efficiency: 92%+
- Hot Swappable
- PMBus Support
- Digital Power Supply
- Smart Fan Speed Control
- In-system Firmware Upload



■ Dimension : 203 x 73.5 x 40 mm (D x W x H)



## SPECIFICATIONS

### ▶ INPUT

Voltage	-36 to -75Vdc
Current	50A

### ▶ EFFICIENCY

Load (%)	Input -48Vdc
10%	80%
20%	88%
50%	92%
100%	88%

### ▶ OUTPUT

Parameter	12V	12Vsb
Rated Continuous	108.3A	2.1A
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: 2msec @ 70% Load  
MTBF: >200,000 hours @ 35 °C  
Warranty: 3 Years

### ▶ ENVIRONMENTAL

Temperature	Operating : 0 to 50°C Non-operating : -40 to 70°C
Altitude	Operating : to 5000 meters Non-operating : to 15200 meters
Relative humidity	Operating : 20% to 85% RH, Non-condensing Storage : 5% to 95% RH, Non-condensing

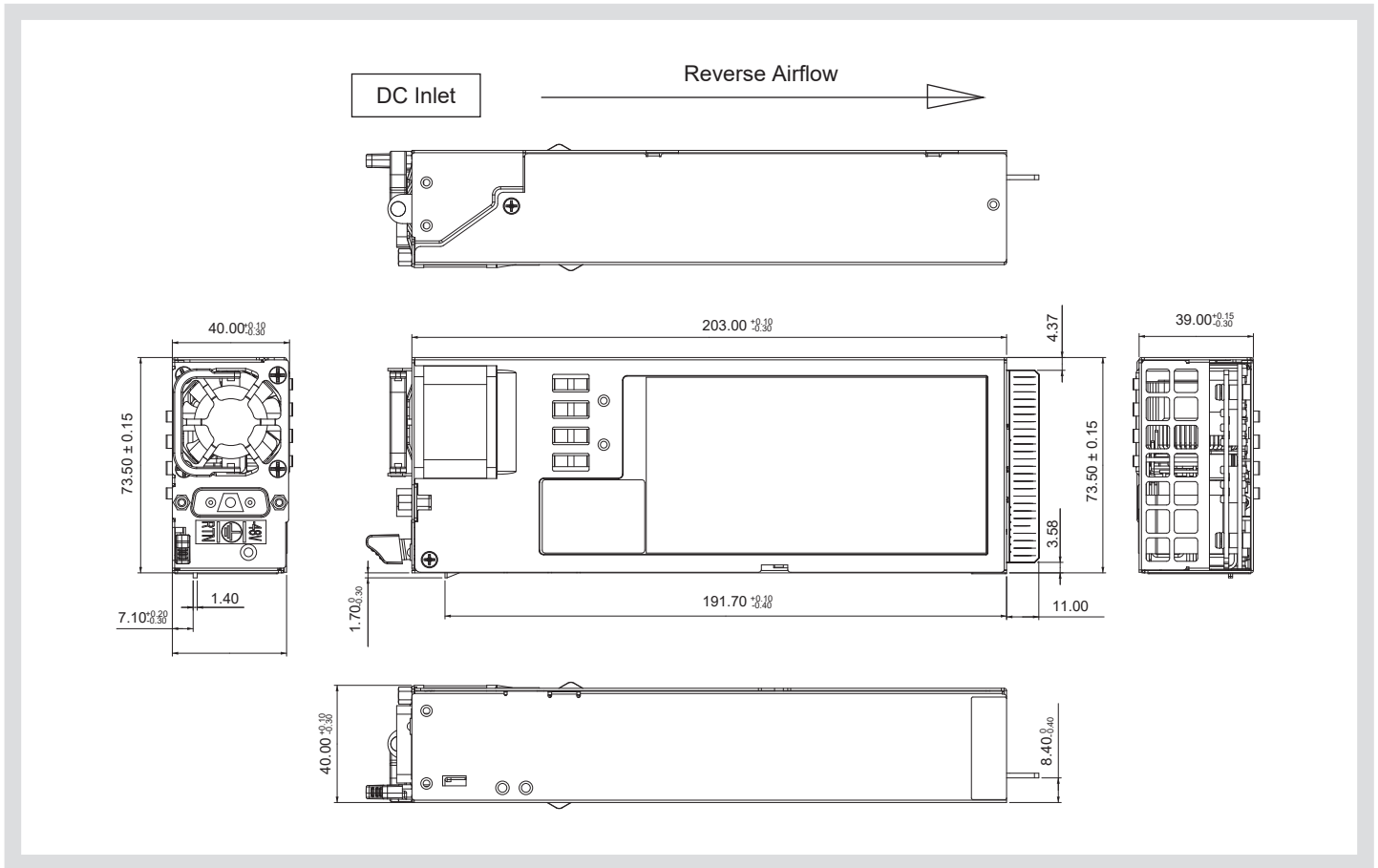
## SAFETY AND COMPLIANCE

UL, cUL, CE, CQC, CB, FCC class A, CISPR Class A, RoHS

# CDR-1321-1M4



## MECHANICAL DRAWING



### CONNECTORS

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

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



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