

CPR-1221-8M1

1200W Power Supply
AC/DC Dual-input Redundant

FEATURES

- High Efficiency: 96%
- Hot Swappable
- PMBus Support
- Digital Power Supply
- Smart Fan Speed Control
- Active Power Factor Correction



■ Dimension : 346 x 76 x 40 mm (D x W x H)

SPECIFICATIONS

► INPUT

Voltage	AC input: 90 - 264Vac DC input: 180 - 300Vdc
Frequency	47 - 63Hz
Current	AC 100 - 127V / 12-9A AC 220 - 240V / 7.2-6A DC 200 - 240V / 7.2-6A

► EFFICIENCY, PFC, THD

Load (%)	Input 115Vac			Input 230Vac		
	Input current THD	Power Factor	Efficiency	Input current THD	Power Factor	Efficiency
10%	15%	0.9	88%	18%	0.9	90%
20%	10%	0.95	90%	10%	0.95	94%
50%	5%	0.98	93%	5%	0.96	96%
100%	5%	0.99	91%	5%	0.98	92%

► OUTPUT

Parameter	12V main (100-127Vac rating)	12V main (200-240VAC) and (180-300Vdc)	5Vsb
Rated Continuous	83A	100A	4A
CLST 20s Peak 2	Rated + 10A	Rated + 10A	6A
Pmax.app Peak 10msec Peak 3	Rated + 36A	Rated + 72A	-
Pmax Peak 100µs Peak 4	Rated + 52.5A	Rated + 105A	-
Regulation	±5%	±5%	±5%
Ripple & Noise	120mVp-p	120mVp-p	50mVp-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: 11ms @ 75% Load
MTBF: >200,000 hours at 25 °C
Warranty: 3 Years

► ENVIRONMENTAL

Temperature	Operating : 0 to 50°C Non-operating : -10 to 70°C
Altitude	Operating : to 3050 m Non-operating : to 15200 m
Relative humidity	Operating : 20% to 90% RH, Non-condensing Storage : 5% to 95% RH, Non-condensing

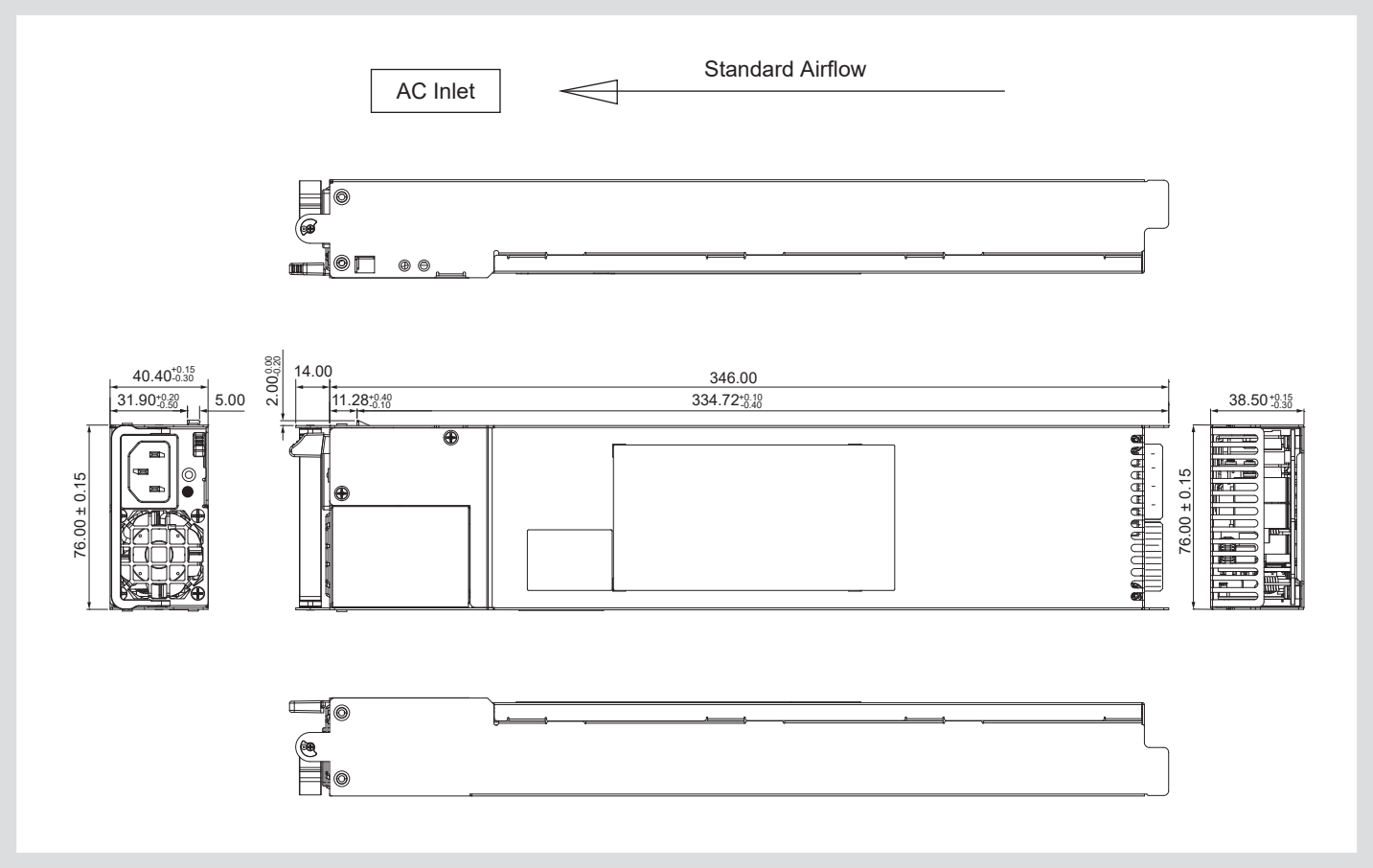
SAFETY AND COMPLIANCE

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

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MECHANICAL DRAWING



CONNECTORS

AC Inlet	IEC 320 C-14, 15A / 250Vac
DC Output	Gold Finger (19 pair connector)
DC Output Mating	Tyco P/N 1489958-1 or FCI P/N 10034908 connector or equivalent parts

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

OUTPUT CONNECTOR PIN ASSIGNMENTS

Bottom		Top	
PIN#	Signal Name	PIN#	Signal Name
P14	RS GND	P1	Ishare
P15	Spare	P2	A1 (address)
P16	12V RS GND	P3	A2 (address)
P17	Wakeup_Bus	P4	I2C SCL
P18	DC Return	P5	I2C SDA
P19	5Vsb CO	P6	PS ON/OFF
P20	5Vsb CO	P7	Spare
P21	DC Return	P8	DC GOOD
P22	DC Return	P9	+12V
P23	DC Return	P10	+12V
P24	DC Return	P11	+12V
P25	DC Return	P12	+12V
P26	DC Return	P13	+12V



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