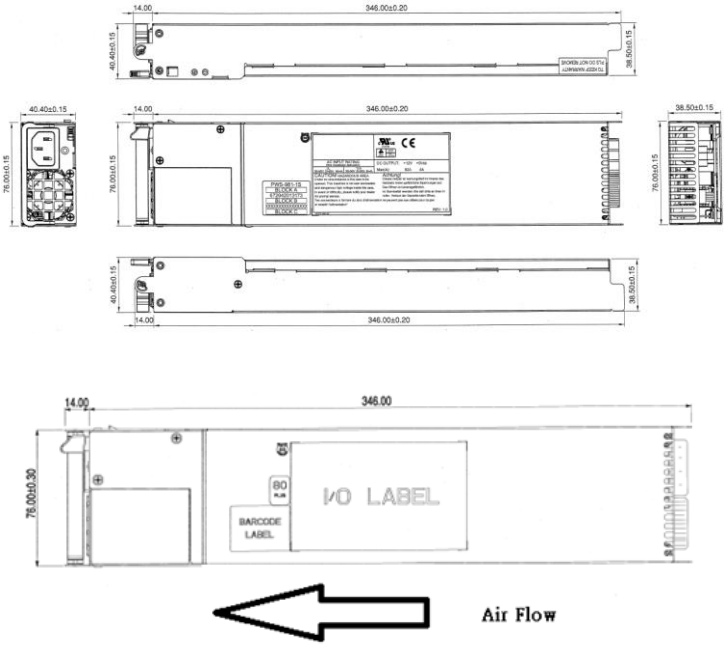
PWS-1K41P-1R 1400W 1U Redundant Power Supply Specification



- Dimension (W x L x H): 76 x 336 x 40 mm
- Maximum Output Power: 1400W / 1100W

Features and Benefits:

- Gold Level 92% Efficiency
- PMBus Support for Remote Management
- Hot-swappable Redundant



INPUT CHARACTERISTICS	
RATED VOLTAGE / CURRENT	100-140Vac / 13.5 – 9.5A 180-240Vac / 9.5 – 7A
RATED FREQUENCY	50-60HZ
INRUSH CURRENT	Less than 30A
POWER FACTOR	0.98 @ max load (Typical)

DC OUTPUT CHARACTERISTICS		
MAXIMUM POWER	1100W @ 100-140Vac 1400W @ 180-240Vac	
EFFICIENCY	80Plus Gold Typical 92%+ @ 230Vac	
VOLTAGE	+12V	+5Vsb
MAXIMUM CURRENT	116A (1400W) 92A (1100W)	4A
REGULATION	+/- 5%	+/- 5%
RIPPLE & NOISE	120mV	50mV
OUTPUT CONNECTOR	23 Pairs Gold Finger	
HOLD UP TIME	PWOK 16ms at 75% of max Loading 12V 17ms at 75% of max loading	

GENERAL SPECIFICATIONS	
REMOTE MANAGEMENT	PMBus 1.1 Compatible FRU Data
MTBF	>150,000hours at 25 °C
REDUNDANCY	Hot swappable, N+1
LEAKAGE CURRENT	Less than 2mA for a single PSU
PROTECTION	OCP, OVP, Short Circuit, Over Temperature, Input Under Voltage

REGULATORY	
SAFETY COMPLIANCE	UL60950-1/CSE 60950-1 EN60950-1 IEC60950-1 CB Report CE Low Voltage Directive BSMI CCC (GB17625.1-2013) (China)
EMC	EMI Class A

ENVIRONMENTAL SPECIFICATIONS	
AMBIENT TEMPERATURE	Operating: 0 to 50 °C Non-Operating: -10 to 60 °C
OPERATING ALTITUDE	Operating: to 3000m Non-Operating: to 10580m
RELATIVE HUMIDITY	Operating: 20% to 90% (non-condensing) Non-Operating: 5% to 95% (non-condensing)

Disclaimer: Specification is subject to change without prior notice