

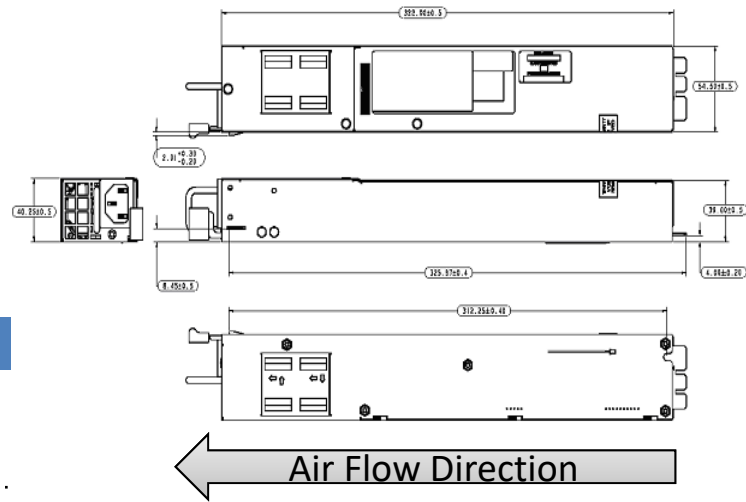


- Dimension (W x L x H): 54.5 x 322 x 40.25 mm
- Maximum Output Power: 1000W/1200W



Features and Benefits:

- Titanium 96%+ Efficiency
- PMBus 1.2 Support for Remote Management
- 1U Slim Redundant



INPUT CHARACTERISTICS

RATED VOLTAGE / CURRENT	100-127Vac / 12.5 – 8.5A 200-240Vac / 7.5 – 6.0A 240Vdc / 6.0A (China only)
RATED FREQUENCY	50-60Hz (For AC Input)
INRUSH CURRENT	Less than 30A
POWER FACTOR	98% Typical
INLET CONNECTOR	IEC 60320 C14

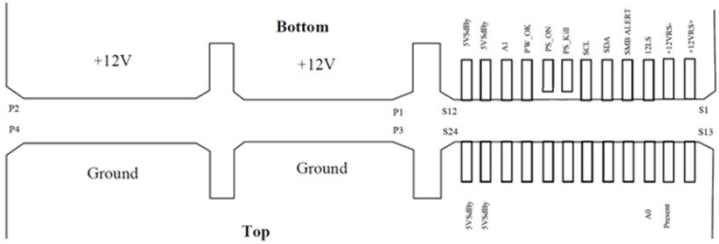
DC OUTPUT CHARACTERISTICS

MAXIMUM POWER	1000W @ 100-127Vac 1200W @ 200-240Vac 1200W @ 240Vdc (China Only)
EFFICIENCY	80Plus Titanium 96% @ 230Vac, 50% loading
OUTPUT VOLTAGE	+12V : +5Vsb
MAXIMUM OUTPUT CURRENT	83A (1000W) : 4A 100A (1200W)
REGULATION	+5%/- 5% : +5%/- 5%
OUTPUT RIPPLE & NOISE	120mV : 50mV
OUTPUT CONNECTOR	Gold Finger
HOLD UP TIME	PWOK 10ms at 75% Loading 12V 11ms at 75% loading

GENERAL SPECIFICATIONS

REMOTE MANAGEMENT	PMBus 1.2 Compatible FRU Data
MTBF	>400000 hours at 35 °C
REDUNDANCY	Hot swappable, N+1
LEAKAGE CURRENT	Less than 2mA
PROTECTION	Output Over Current/Voltage, Short Circuit, Over Temperature, Input Under Voltage

OUTPUT CONNECTOR



REGULATORY

MODEL NUMBER	PWS-1K27A-1R
SUPERMICRO PART NUMBER	PWS-1K27A-1R
SAFETY COMPLIANCE	UL62368-1 EN62368-1/IEC62368-1 EN60950-1/IEC60950-1 CB Report CE Low Voltage Directive BSMI CCC 5000m
EMC	EMI Class A

ENVIRONMENTAL SPECIFICATIONS

AMBIENT TEMPERATURE	Operating: 0 to 50 °C Non-Operating: -40 to 70 °C
OPERATING ALTITUDE	Operating: to 5000m Non-Operating: to 10580m
RELATIVE HUMIDITY	Operating: up to 85% RH Non-Operating: up to 95% RH

Disclaimer: Specification is subject to change without prior notice