

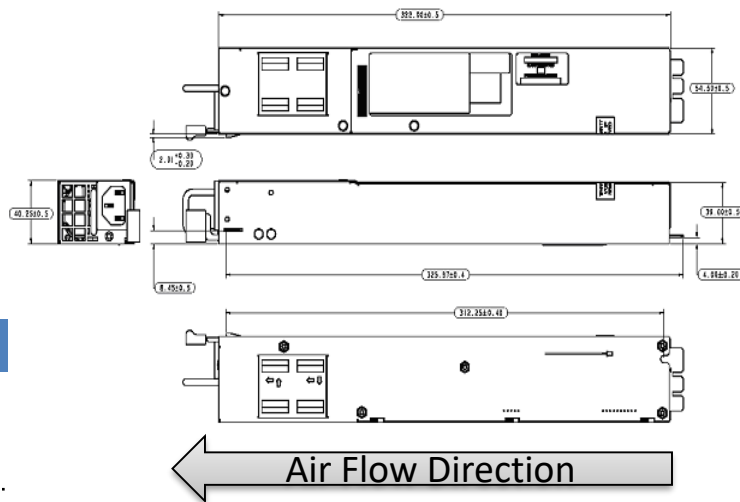


- Dimension (W x L x H): 54.5 x 322 x 40.25 mm
- Maximum Output Power: 1000W/1200W



### 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<br>200-240Vac / 7.5 – 6.0A<br>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   |

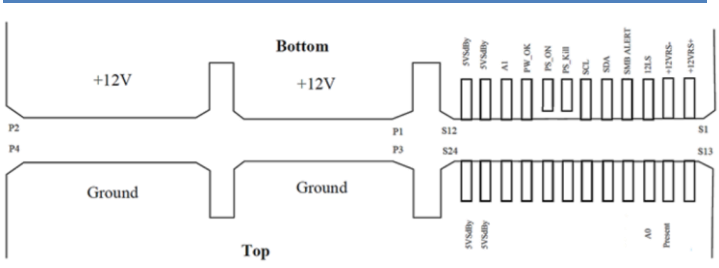
### DC OUTPUT CHARACTERISTICS

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

### GENERAL SPECIFICATIONS

|                   |   |
|-------------------|---|
| REMOTE MANAGEMENT | PMBus 1.2 Compatible<br>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<br>EN62368-1/IEC62368-1<br>EN60950-1/IEC60950-1<br>CB Report<br>CE Low Voltage Directive<br>BSMI<br>CCC 5000m |
| EMC                    | EMI Class A   |

### ENVIRONMENTAL SPECIFICATIONS

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

Disclaimer: Specification is subject to change without prior notice