



# 3-phase Power Supply

## Key Features

- Switching Power Supply
- 480W Output Power
- Wide Input Voltage Range:
  - 320 – 575V AC (3-phase operation)
  - 360 – 575V AC (2-phase operation)
- Output: 24V DC, 20A
- Overcurrent and Overvoltage Protection
- DIN-rail mount
- RoHS Compliant
- Approvals:
  - CE Marked
  - UL 508 Listed
  - UL 60950-1 Recognized
  - EN60204, EN61558-2-17, EN60950, EN61000-3-2
  - DIN VDE 0100-410, DIN VDE 0106-1010, DIN 57100-410, DIN VDE 0106-101



## Specifications

|                       |                              |  |               |
|-----------------------|------------------------------|--|---------------|
| Part Number           |                              | PSSR-TJ24  |               |
| Output Capacity       |                              | 480W   |               |
| Input                 | Input Voltage                | 3-phase  | 320 - 575V AC |
|                       |                              | 2-phase  | 360 - 575V AC |
|                       | Input Current (maximum)      | 400V AC  | 3 x 1.1A      |
|                       |                              | 480V AC  | 3 x 0.8A      |
|                       | Frequency                    | 45Hz - 65Hz  |               |
|                       | Inrush Current (cold start)  | 21A max  |               |
|                       | Leakage Current (at no load) | <3.5mA   |               |
| Typical Efficiency    | 91%                          |  |               |
| Output                | Output Current Rating        | 20A  |               |
|                       | Voltage Adjustment           | 22.5 - 29.5V   |               |
|                       | Output Holding Time          | 10ms typical   |               |
|                       | Starting Time                | 1s   |               |
|                       | Line Regulation (static)     | 1.0% max   |               |
|                       | Load Regulation (dynamic)    | 2.0% max   |               |
|                       | Ripple Voltage               | < 10mVpp   |               |
|                       | Overcurrent Protection       | 125%, auto reset   |               |
|                       | Overvoltage Protection       | 35V DC max   |               |
|                       | Operation Indicator          | LED (green)  |               |
| Parallel Operation    |                              | Yes  |               |
| Insulation Resistance | Input / Output               | 2kV AC   |               |
|                       | Input / Ground               | 2kV AC   |               |
|                       | Output / Ground              | 500V DC  |               |
| Operating Temperature |                              | -25 to +70°C   |               |
| Storage Temperature   |                              | -40 to +85°C   |               |
| Operating Humidity    |                              | 95% max (at 25°C, no condensation)   |               |
| Vibration Resistance  |                              | <15Hz amplitude +/- 2.5mm in accordance with IEC 60068-2-6<br>15 to 150Hz, 2.3g, 90 min.   |               |
| Shock Resistance      |                              | 30g in all directions in accordance with IEC 60068-2-27  |               |
| Standards & Approvals |                              | EN55011 (Class B), EN61000-3-2, EN61000-3-3, EN55024, EN61000-6-2, IEC61000-4-2,3,4,5,6,11, UL 508 (listed), UL 60950-1 (Recognized) |               |



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|-------------------------------|--------------------|
| Harmonic Directive            | EN 61000-3-2       |
| Weight (approx.)              | approx. 2kg        |
| Connection                    | Screw terminals    |
| IP protection                 | IP20               |
| Dimensions H x W x D (mm)     | 130 x 115 x 152.5  |
| Dimensions H x W x D (inches) | 5.12 x 4.53 x 6.00 |

## Accessories

| Item  | Description       | Part Number |
|---|-------------------|-------------|
|  | DIN rail (1000mm) | BNDN1000    |
|  | DIN rail end clip | BNL6        |

## Dimensions (mm)

