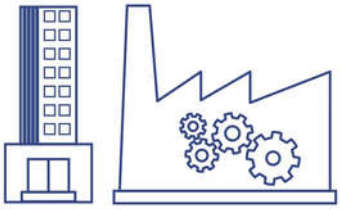


1000W, 48V DC, 21A AC to DC Industrial Power Supply with PFC Function

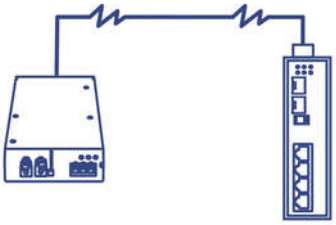
TI-RSP100048 (v1.0R)

- Industrial power supply
- Compatible with 4U 19” Rackmount TI-R4U (sold separately)
- Provides up to 1000W of power (48V DC, 21A)
- High efficiency 94% and low power dissipation
- Built-in active Power Factor Controller
- Forced air cooling via built-in DC fans
- Protections: Short circuit, overload, over voltage, over temperature
- UL 508 approved
- Built-in DC OK relay contact
- 100% full load burn-in test
- -20° – 60° C (-4° – 140° F) operating temperature range

TRENDnet's AC to DC Industrial Power Supply, model TI-RSP100048, supplies up to 1000W (48V DC, 21A) of power to industrial equipment, such as PoE switches and WiFi access points. This industrial power supply comes with active PFC and overload current protection.



Industrial Applications
Power network devices for manufacturing, general industrial, warehousing, surveillance, and corporate applications.



1000W Power
Provides up to 1000W (48V DC, 21A) of power for PoE devices such as switches, network cameras, and access points.



Operating Temperature
Designed for industrial environments with an operating temperature range of -20° – 60° C (-4° – 140° F).

FEATURES

1000W Power
Provides up to 1000W (48V DC, 21A) of power for PoE devices, such as switches, network cameras, and access points

Active PFC
Built-in active Power Factor Controller helps eliminate unusable reactive power

Protection
Overload, short circuit, over voltage, and over temperature protection

Full Load Test
Power supply undergoes a 100% full load burn-in test

Operating Temperature
Designed for industrial environments with an operating temperature range of -20° – 60° C (-4° – 140° F)

Safety Certifications
Certified for UL 508 and TUV EN60950-1

Electro Magnetic Emission/ Immunity
Compliance to EN55011, EN55022 (CISPR22), EN61204-3 Class B, EN61000-3-2/3, EN61000-4-2, 3, 4, 5, 6, 8, 11, EN55024, EN61000-6-2, EN61204-3, heavy industry level, criteria A, SEMI F47, and GL approved

Vibration Resistant
Rated for vibration (IEC 60068-2-6)

LED Indicator
LED indicator confirms power to the unit

SPECIFICATIONS

Interface

- Input: 100 – 240V AC, 50/60Hz, 12A
- Output: 1008W, 48V, 21A

Housing

- Power LED indicator
- 2 x Active cooling fans
- Compatible 19" 4U rack mounting bracket (Model Number: TI-R4U)

Special Features

- Remote Sense compensates voltage drop on load, up to 0.5V
- Remote ON-OFF control
- DC OK relay contact
- Output Voltage Programming 40 – 110% of nominal power output voltage (PV/remote voltage programming/remote adjust/margin programming/dynamic voltage trim)
- Current Sharing with Remote Sense (up to 4 total units to provide higher output power)
- Short circuit/overload/over voltage/over temperature protection
- Protection type: constant currant limiting, shutdown and repower

Operating Temperature

- -20° – 60° C (-4° – 140° F)

Operating Humidity

- 20 – 90% non-condensing

MTBF

- 313,100 hours

Dimensions

- 295 x 127 x 41mm (11.6 x 5 x 1.6 in.)

Weight

- 1.74kg (3.83 lb.)

Certifications

- CE
- UL 508CB 60950-1
- TUV EN60950-1

Warranty

- 1 year

Package Contents

- TI-RSP100048

All references to speed are for comparison purposes only. Product specifications, size, and shape are subject to change without notice, and actual product appearance may differ from that depicted herein.

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