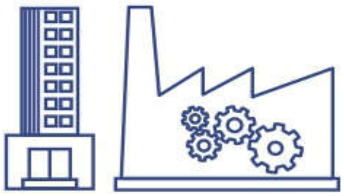


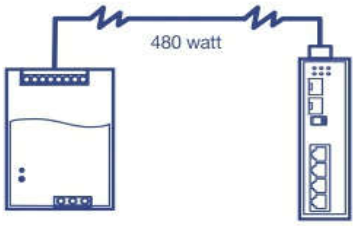
480W, 48V DC, 10A AC to DC DIN-Rail Power Supply with PFC Function

TI-S48048 (v1.0R)

- Industrial power supply with integrated DIN-rail mount
- Provides up to 480W of power (48V DC, 10A)
- High efficiency 94% and low power dissipation
- 150% peak load capability
- Built-in active Power Factor Controller (PF > 0.94)
- Cooling by free air convection
- Protections: Short circuit, overload, over voltage, over temperature
- UL 508 approved
- Built-in DC OK relay contact
- 100% full load burn-in test
- -25° – 70° C (-13° – 158° F) operating temperature range

TRENDnet's AC to DC Industrial DIN-Rail Power Supply with PFC Function, model TI-S48048, supplies up to 480W (48V DC, 10A) of power to industrial equipment such as PoE switches, network cameras, and WiFi access points. This DIN-Rail power supply comes with active PFC, an integrated DIN-rail mount, and overload current protection.







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

480W Power
Provides up to 480W (48V DC, 10A) 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 -25° – 70° C (-13° – 158° F).

480W Power
Provides up to 480W (48V DC, 10A) of power for PoE devices such as switches, network cameras, and access points

Active PFC
Built-in active Power Factor Controller (PFC, PF > 0.94) helps eliminate unusable reactive power

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

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

Operating Temperature
Designed for industrial environments with an operating temperature range of -25° – 70° C (-13° – 158° F)

Passive Cooling
Cooling by free air convection

DIN-Rail Mount
Metal enclosure with integrated DIN-rail mount

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: 90 – 264V AC, 47 – 63Hz, 1.8A 127 – 370V DC • Output: 480W, 48V, 10A • DIN-rail: TS-35/7.5 or 15
Housing	• DIN-rail mount • Power LED indicator
Special Features	• DC OK relay contact • 150% peak load capacity • Short circuit/overload/over voltage/over temperature protection • Protection type: shutdown and repower
Operating Temperature	• -25° – 70° C (-13° – 158° F)
Operating Humidity	• Max. 95% non-condensing

MTBF	• 1,129,000 hours
Dimensions	• 85.5 x 125 x 128.5mm (3.4 x 4.9 x 5.1 in.)
Weight	• 1.6kg (3.5 lb.)
Certifications (Mean Well)	• CE • UL 508CB • UL 60950-1 • TUV EN60950-1
Warranty	• 1 year

PACKAGE CONTENTS
• TI-S48048 (Mean Well SDR-480-48)

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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