

# TDR-480-24 Mean Well 24VDC 480W 20A DIN Rail Power Supply Datasheet



**Brand:** Mean Well

**SKU:** 739248542411

**Category:** Power Supplies & Circuit Protection

**Price:** **\$167.99**

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Product Page:

<https://www.equipspares.com/product/tdr-480-24-mean-well-24vdc-480w-20a-din-rail-power-supply>

## Product Description

Mean Well TDR-480-24 is a three-phase DIN rail power supply featuring a 24 VDC output, 20 A rated current, and 480 W total power capacity within a slim 85.5 mm wide metal chassis. The unit operates across a wide input range of 340 to 550 VAC or 480 to 780 VDC, utilizing a fanless design cooled by free air convection. It incorporates a built-in active power factor correction (PFC) function and a constant current limiting circuit for stable performance under inductive or capacitive loads. The structural design includes a rugged metal housing compatible with TS-35/7.5 or TS-35/15 mounting rails and features an optional DC OK relay contact for status monitoring.

### TDR-480-24 Specifications

Model: TDR-480-24

Brand: Mean Well

Output Voltage: 24 VDC

Output Current: 20 A

Rated Power: 480 W

Input Voltage Range: 340 to 550 VAC (3-Phase) or 480 to 780 VDC

Efficiency: 93 %

Width: 85.5 mm

Height: 125.2 mm

Depth: 128.5 mm

Operating Temperature: -30 to +70 °C

Mounting Type: DIN Rail TS-35/7.5 or 15

Cooling: Free air convection

Protection: Short circuit, Overload, Over voltage, Over temperature

Certifications: UL 508, IEC 62368-1, EN 61000-6-2

Power Factor Correction: Built-in active PFC

Housing Material: Metal

#### TDR-480-24 Applications

Primary applications include integration into industrial control systems, semiconductor fabrication equipment, and factory automation lines. Deployed within electro-mechanical apparatus and CNC machine control cabinets requiring high-density three-phase power distribution.

## Supplemental Images

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