

RP-IDR480-48

48V / 480W Single Output Industrial DIN Rail Power Supply

RP-IDR480-48 is one economical slim 480W Din rail power supply, adapt to be installed on TS-35/7.5 or TS-35/15 mounting rails. The body is designed 85.5mm in width, which allows space saving inside the cabinets. The entire series adopts the full range AC input from 90VAC to 264VAC and conforms to EN61000-3-2, the norm the European Union regulates for harmonic current.

RP-IDR480-48 is designed with metal housing that enhances the unit's power dissipation. With working efficiency up to 92.5%, the entire series can operate at the ambient temperature between -20°C and 70°C under air convection. It is equipped with constant current mode for over-load protection, fitting various inductive or capacitive applications. The complete protection functions and relevant certificates for industrial control apparatus (UL508, TUV EN60950-1, and etc.) make RP-IDR480-48 a very competitive power supply solution for industrial applications.



Features

- Economical and reliable DC power source for industrial devices
- -20 to 70°C operating temperature range
- Design for use in harsh industrial environment
- Universal AC input / Full range
- Built-in active PFC function
- Protections: Short circuit / overload / over voltage / over temperature
- Cooling by free air convection
- Can be installed on DIN rail TS-35/7.5 or 15
- 100% full load burn-in test

Specifications

Input	<ul style="list-style-type: none">• 90 ~ 264 VAC, 47 ~ 63 Hz, 1.8A, 127-370VDC
Output	<ul style="list-style-type: none">• 48 VDC, 10A, 480W• Voltage adjustable range: 48-55V
Over-voltage Protection	<ul style="list-style-type: none">• 56 ~ 65V• Type: Shut down o/p voltage, re-power on to recover
Overload Protection	<ul style="list-style-type: none">• 105-130% rated output power• Type: Constant current limiting, unit will shut down after 3 sec., re-power on to recover
Environmental	<ul style="list-style-type: none">• Operating Temperature: -20 ~ +70°C• Operating Humidity: 20 ~ 90% RH non-condensing• Storage Temperature: -40 ~ +85°C• Storage Humidity: 10 ~ 95% RH
Dimensions	<ul style="list-style-type: none">• W85.5 x H125.2 x D128.5 mm
Safety Standards	<ul style="list-style-type: none">• UI508, TUV EN60950-1 approved (meeting EN60204-1)

Ordering Information

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