


RECOM

RACPRO1-T SMPS – AC/DC DIN Rail Power Supplies

The RACPRO1-T240, -T480, and -T960 power supplies have an outstanding efficiency of up to 97.1% (Best in Class), enabling a very high-power density in an extremely slim design with widths of only 43mm, 52mm, and 80mm. The low power losses result in an exceptional service life of over 80,000 hours. With their innovative and distinctive ergonomic design, the maintenance-free push-in terminals, which are operable without tools, are positioned at a 25° angle. Thanks to the well-thought-out design of the DIN rail mounting clips, the devices can also be mounted and dismantled without the need for tools.

Features

- Universal Input Voltage Range
DC 430V-815V & AC-Input Range
3x320V to 3x575V
- Power Range 240W, 480W and 960W
- 2 output variations 24V and 48V
- Adjustable output voltage range $\pm 10\%$
- High power density with efficiency
up to 97.1%
- Width only 43mm/52mm/80mm
- Low weight only 531g, 768g, 1140g
- Made in Europe

Certified according

- IEC/EN/UL 62368-1
- IEC/EN/UL 61010-1
- IEC/EN/UL/CSA 61010-2-201
- Electromagnetic radiated and conducted emissions are compliant to heavy industrial EN 61000-6-4 Class B emission standard and EN 61000-6-2 immunity standard



Applications

- Industrial automation and control
- Remote sensors and actuators
- Test and measurement equipment
- Elevators
- Industrial Robots
- Vending automation
- Power distribution and battery storage systems
- Renewable Energy

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RACPRO1-T SMPS – AC/DC DIN Rail Power Supplies

RACPRO1-T240 Series



Features & Benefits

- Unique design with 25° Push-In connectors
- Easy tool-less installation or replacement
- Extended Surge Immunity 2.5kV/6kV
- Wide DC-Input range 430V-815V
- Operating temperature -40°C to +70°C
- Full Power up to +60°C without derating
- Thermal Power Bonus 120%/45°C
- Power Boost 150%/5s
- Reduced no load power consumption 0.8W to 1.1W
- Two phase AC operation from 2 x 350V AC up to 2 x 575V AC without derating
- Highest Lifetime Expectancy 80.000h/40°C
- Efficiency up to 94,1%
- Width only 43mm
- Low weight only 531g
- 3 year warranty

RACPRO1-T480 Series



Features & Benefits

- Unique design with 25° Push-In connectors
- Easy tool-less installation or replacement
- Extended Surge Immunity 2.5kV/6kV
- Wide DC-Input range 430V-815V
- Operating temperature -40°C to +70°C
- Full Power up to +60°C without derating
- Thermal Power Bonus 120%/45°C
- Power Boost 150%/5s
- Reduced no load power consumption 1.9W to 3.0W
- Battery Charging & Parallel Operation
- Highest Lifetime Expectancy 80.000h/40°C
- Efficiency up to 95.3%
- Load Indication by LED
- Width only 52mm
- Low weight only 768g
- 3 year warranty

RACPRO1-T960 Series



Features & Benefits

- Unique design with 25° Push-In connectors
- Easy tool-less installation or replacement
- Efficiency up to 96.9%
- Extended Surge Immunity 2.5kV/6kV
- Wide DC-Input range 430V-815V
- Operating temperature -40°C to +70°C
- Full Power up to +60°C without derating
- Thermal Power Bonus up to 120%/45°C
- Power Boost 150%/5s
- Reduced no load power consumption 1.8W to 3.3W
- Battery Charging & Parallel Operation
- Highest Lifetime Expectancy 80.000h/40°C
- Load Indication by LED
- Width only 80mm
- Low weight only 1140g
- 3 year warranty

Target Application Examples

Machinery Building Industry, e. g. tools, printing, packaging, woodworking, CNC, plastics | Applications inside of cabinets and other electronic enclosures | Renewable Energy, e. g. Wind, Photovoltaics, Biogas | Fossil Fuels | Process Controls | Battery Storage Systems | Power Distribution | Vendor | Traffic Engineering//Water Preparation | HVAC Systems

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