

PSC Series



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PSC Series

Product Description

The PSC Compact series operates with universal AC input range and offers full power up to 55 °C. The output is adjustable from 24 to 28 volts and can support up to 3000 microfarads of load capacitance. All models in the series are certified according to IEC/EN/UL 60950-1 Information Technology Equipment (ITE) and UL 508 Industrial Control Equipment (ICE). The series is also fully compliant with RoHS Directive 2011/65/EU for environmental protection. NEC Class 2 and Limited Power Source (LPS) approvals are available for this product.

Application Description

The ultra-compact and competitively priced Eaton Compact DIN Rail Power Supply series is designed for industrial applications requiring highly reliable power supply within a tight space. Simple to operate with HMI displays and industrial ethernet.

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Features, Benefits and Functions

- 30 W, 50 W and 100 W ratings
- Ultra-compact size
- Universal AC input voltage 100–240 Vac (120–375 Vdc)
- Up to 87% efficiency at 230 Vac
- Extreme low temperature cold start at –40 °C
- Overvoltage / overcurrent / over-temperature protections
- Under 100 W power output at 24 Vdc
- Wide operating temperature range: –20 °C to +70 °C
- Storage temperature: –20 °C to +85 °C
- MTBF greater than 350,000 hours ensures uptime and reliability
- Protection from overvoltage, short circuit, overcurrent and over temperature conditions
- Plastic housings provide the durability required to withstand harsh environments
- Finger-safe terminals
- LED indicating light for DC OK simplifies troubleshooting
- Redundancy modules keep loads up and running in the event of a device failure
- NEC Class 2 rated model ①
- 150% power surge output
- IP20 protection degree
- Earth connection is required
- A green LED indicates output is present

Standards and Certifications

- UL 508
- NEC Class 2
- CE marked
- RoHS compliant



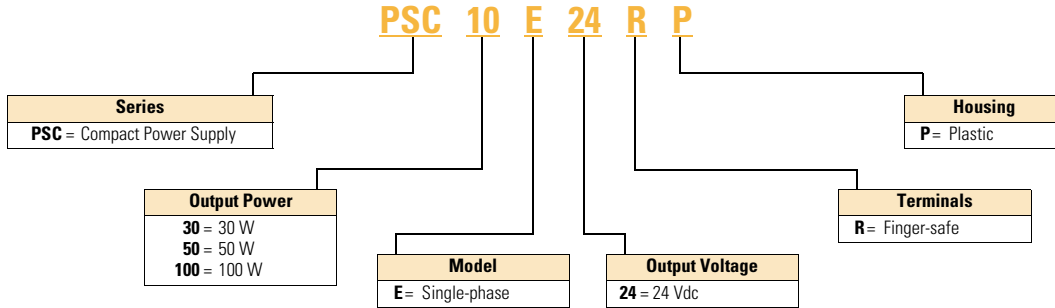
Note

- ① The NEC Class 2 model is certified as an NEC Class 2 power source. This means that after a small startup window, the power supply cannot exceed a maximum of 100 W under any circumstances, including overload, short-circuit or internal failure.

Catalog Number Selection

Note: Catalog number selection breakdown shown below is for illustrative purposes only and not to be used to create new catalog number configurations.

PSC Series



Product Selection

PSC100E24RP

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Power	Description	Catalog Number
24 Vdc output single-phase power supplies (100–240 Vac nominal input)	30 W, 1.25 A output, plastic housing	PSC30E24RP
	50 W, 2.1 A output, plastic housing	PSC50E24RP
	100 W, 4.0 A output, plastic housing	PSC100E24RP