Reliable power in a compact solution

The Eaton compact (PSC) series of power supplies are ultra-compact and cost effective, designed for industrial applications requiring highly reliable power within a tight space. The PSC series features IP20 finger-safe screw terminals and provides protection from overvoltage, overcurrent and overtemperature. The series is also fully compliant with RoHS Directive 2011/65/EU for environmental protection.

Features

- Ratings—30, 50, 100 W
- Ultra-compact size
- Full power from –20 °C to +70 °C operation
- Universal single-phase ac input voltage 100–240 Vac
- Extreme low temperature cold start at –40 °C
- Overvoltage / overcurrent / overtemperature protections
- IP20 protection degree

Applications

- Industrial machinery
- Conveyors and automation
- Material handling systems
- Process machine
- Custom OEM control panels
- Refrigeration, pumping and HVAC
- Ultra-compact series with thin form factor; works well in panels where space is limited for industrial applications
- Tie with HMI displays and industrial ethernet

Standards and certifications

- UL® 508
- NEC® Class 1 circuits
- CE marked 60950
- RoHS compliant

UL CE RoHS COMPLIANT

FAQs

What is an NEC Class 1 power supply?

A Class 1 power supply is an NEC designation for a specific type of electrical circuit that is power-limited to 30 V and 1000 VA. This classification has an overcurrent protection device with a current limiter on the power source that supplies them and restricts the amount of supply current on the circuit in the event of an overload, short circuit or ground fault. The NEC allows Class 1 circuits and power supply circuits to occupy the same cable, enclosure or raceway in situations where the equipment power system is functionally associated.

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

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Eaton
1000 Eaton Boulevard
Cleveland, OH 44122
United States
Eaton.com

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