

Low-profile, high-durability



The Eaton low-profile (PSL) series of power supplies provides the perfect solution for 24 Vdc applications requiring a thin form factor. Focusing on safety, the PSL series features IP20 finger-safe screw terminals and provides protection from overvoltage, overcurrent and overtemperature.

Features

- Ratings—10, 30, 60, 100 W
- Universal single-phase ac input range 90–264 Vac
- Operating temperature range from –25 °C to +71 °C
- Output adjustable from 24 to 28 Vdc, can support up to 3000 microfarads of load capacitance
- Protection Class 2, double isolation (no ground connection required), resulting in low-leakage current
- Short-circuit protection using Hicc-up mode, non-latching and auto-recovery
- MTBF greater than 500,000 hours ensures uptime and reliability
- Protection from overvoltage, short-circuit, overcurrent and overtemperature conditions
- Heavy-duty screw terminals
- LED indicating light for DC OK simplifies troubleshooting
- Redundancy modules keep loads up and running in the event of a device failure
- 150% power surge output
- IP20 protection degree

Applications

- Industrial machinery
- Conveyors and automation
- Material handling systems
- Process machine
- Custom OEM control panels
- Refrigeration, pumping and HVAC
- Food and beverage
- Sensors and communication networks
- Integrate with logic solutions—PLC and smart relays

Standards and certifications

- UL/cUL® listed 60950
- IEC
- NEC® Class 2
- CE marked 60950



FAQs

What is the NEC Class 2 model?

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. It also reduces wiring, labor and additional system components acting as a short-circuit current limiter.

What do the redundancy modules do?

The redundancy modules allow for two or more power supplies to be connected to perform parallel or redundancy operation. Parallel operation or load sharing is when the load is split evenly between two or more power supplies. Redundancy operation is where *N* (number of power supplies) are required for the load, and one additional power supply is connected in the event that one should fail.

	Description	Catalog number
24 Vdc output single-phase power supplies (100–240 Vac nominal input)	10 W, 0.42 A output	PSL10E24RP
	30 W, 1.25 A output	PSL30E24RP
	60 W, 2.5 A output	PSL60E24RP
	100 W, 3.8 A output	PSL100E24RP



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

© 2018 Eaton
All Rights Reserved
Printed in USA
Publication No. PA055003EN / Z21754
October 2018

Follow us on social media to get the latest product and support information.



Eaton is a registered trademark.

All other trademarks are property of their respective owners.