



The New PSG Power Supply – Flexible. Reliable. Cost-Effective.

Eaton's new PSG power supply units are the perfect solution for 24 VDC applications. New, finger-proof IP20 connection terminals, combined with short-circuit capacity and overload capability, ensure reliable power while underscoring a clear focus on safety. In addition, the new, more compact enclosures save valuable space and money.



Further features:

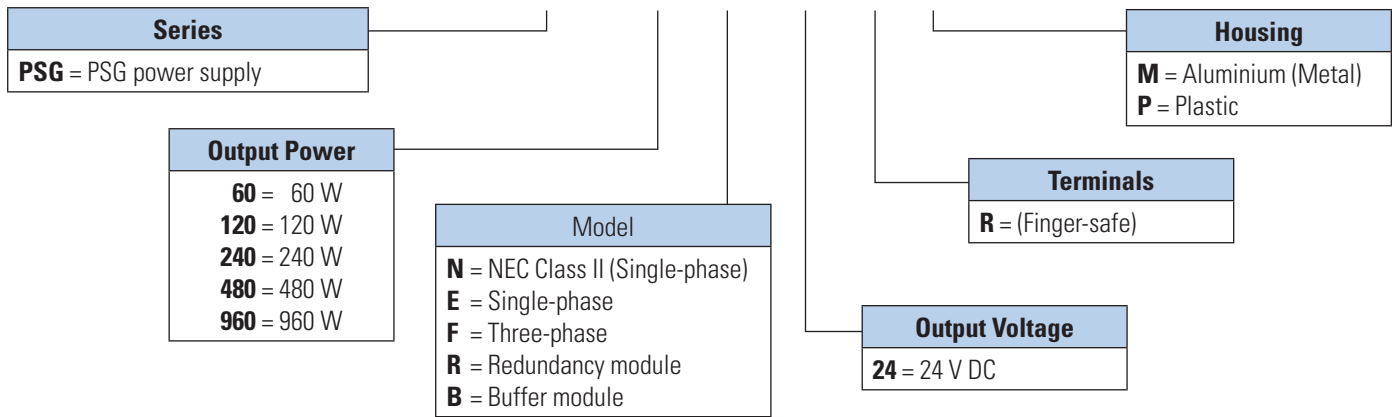
- Adjustable output voltage range lets you configure the ideal settings for your application
- 150 % Power Boost for up to 5 s
- Wide operating temperature range: -25 °C up to +80 °C
- Protection from overvoltage and overcurrent conditions
- Rugged aluminum and plastic housings
- Redundancy modules
- New Buffer modul (Capacitor)
- NEC® Class II rating
- New finger-proof IP20 terminals with plug-in technology for single-phase devices
- DC OK LED indication


EATON

Powering Business Worldwide

Catalog number selection

PSG 240 F 24 R M




| | Input voltage range | Rated output voltage | Rated output power W | Rated output current A | Part no. | Article no. |
|---|-------------------------------|----------------------|----------------------|------------------------|--------------------|-------------|
| Single-phase power supplies | | | | | | |
| Nominal input voltage: 100–240 V AC | | | | | | |
| Setting range for the output voltage: 22–28 V DC | | | | | | |
|  | 85–264 V AC (120–375 V DC) | 24 V DC (± 2%) | 60 | 2.5 | PSG60N24RP | 172890 |
| | | | 60 | 2.5 | PSG60E24RM | 172891 |
| | | | 120 | 5 | PSG120E24RM | 172892 |
| | | | 240 | 10 | PSG240E24RM | 172893 |
| | | | 480 | 20 | PSG480E24RM | 172894 |

3-phase power supplies

Nominal input voltage: 3 x 400–500 V AC

Setting range for the output voltage: 24–28 V DC

| | | | | | | |
|--|--------------------------------|----------------|-----|-----|--------------------|--------|
|  | 320–600 V AC (450–800 V DC) | 24 V DC (± 2%) | 60 | 2.5 | PSG60F24RM | 172882 |
| | | | 120 | 5 | PSG120F24RM | 172883 |
| | | | 240 | 10 | PSG240F24RM | 172884 |
| | | | 480 | 20 | PSG480F24RM | 172885 |
| | | | 960 | 40 | PSG960F24RM | 172886 |

Power supplies PSG, Redundancy module

For decoupling power supplies of the same type that are connected in parallel on the output side for redundancy purposes

Input voltage range 22–60 V DC

| | | | | | | |
|---|--|--|--|----|--------------------|--------|
|  | | | | 20 | PSG480R24RM | 172888 |
| | | | | 40 | PSG960R24RM | 172889 |

Power supplies PSG, Buffer module

For maintaining operation during brief power failures; the backup time can be multiplied by connecting in parallel

Backup time depends on load current 250 ms (20 A) to max. 5 s (1 A)

| | | | | | | |
|---|----------------|--|--|----|--------------------|--------|
|  | 22.8–28.8 V DC | | | 20 | PSG480B24RM | 172887 |
|---|----------------|--|--|----|--------------------|--------|

Eaton Industries GmbH
Hein-Moeller-Str. 7–11
D-53115 Bonn/Germany

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