Description

The G128-809 Power Supply provides a regulated 24VDC output from an AC or DC input supply. The G128-809 is suitable for powering devices with a combined continuous current of up to 2A.

The Power Supply uses a high reliability and efficient switching regulator design and is housed in a compact DIN rail mounting enclosure.

A 24VDC 650mA Power Supply is also available. For information refer to the data sheet G128-808.

Features

- Wide range AC or DC input.
- Regulated +24VDC low ripple output.
- Idle and short circuit protected.
- 4kV isolation from input supply.
- High efficiency, > 80%.
- High reliability, 500,000 hour MTBF.
- Parallel connectable for redundant operation.
- Compact DIN housing.
- CE marked.

Specifications

Supply: 90 to 260VAC, 45 to 65Hz.
90 to 350VDC.

Inrush current: < 35A for < 3mS @ 25°C.

Isolation: 4kV.

Mains buffering: > 20mS @ 120VAC,
> 100mS @ 230VAC.

Output – voltage:
24VDC fixed –0% / +3%.

Output – current:
4A max. @ 230VAC, T_{amb} ≤ 30°C.
2A max. @ all input voltages,
T_{amb} ≤ 60°C.

Startup delay: < 100mS.
Ripple: 100mV p-p typical at nominal load.
Load regulation:
< 1% static for 10% to 90% load change.
< 3% dynamic for 10% to 90% load change.

Maximum power loss: 10W at nominal load.
Front Panel Indicator: Vs: Green power LED.
Mounting: DIN rail.
Protection type: IP 20.
Temperature: 0 to +40°C.
Dimensions: 100W x 108H x 45D.
Weight: 250g.
Approvals: CE mark: EN50081.2 emission.
EN61000-6-2 immunity.
Operating Details

![Diagram](insert_diagram_url)

**Ordering Information**

Power Supply, 24VDC, 2A G128-809.

**Internet Data**

For a detailed Application Manual and the latest version of this Data Sheet please refer to the Moog website [www.moog.com/dinmodules](http://www.moog.com/dinmodules)