# Power Supplies
# PSM Series
## High Efficiency Switching Power Supplies

$C \epsilon$  **RoHS Compliant**

**PSM-28T**

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PSM series switching power supplies are versatile, flexible and high efficiency. With compact size and lightweight, the DIN rail models are easy to install and suitable for powering security and building automation controls. The PSM-28T/29T is ideal for use with a wide range of access control devices including electrified locks, magnetic locks, electric strikes and keypad readers. Enclosed with a metal box, the PSM-29T also provides battery charging capability and power/battery status LEDs.

## Standard Features
- Compact size for easy installation and wide range of applications (except PSM-29T)
- Stable and regulated DC output
- Low maintenance
- Power status indicator light

## PSM-28T/29T Special Features
- 2 Independent outputs for electrified locks and access control systems
- Request to exit (REX) input for quick egress
- Field selectable switch for Fail-safe or Fail-secure device
- Battery protection: Overdischarge, Short circuit, Polarity reverse

PSM-28T includes an optional US standard power cable for easy, quick, plug-in installation.

# PSM Series Power Supplies

| Models | Input (VAC) | Output1 | Output2 | Battery Charger | Timer (Sec) | Weight (Kg) | Dimensions | Descrption |
|---|---|---|---|---|---|---|---|---|
| PSM-01T-4 -AC230V | 230 | 2A/12VDC | 0.5A/12VDC | — | 0~75 | 1 | 6 3/16" x 3 7/8" x 2 11/16" (157.5 x 99 x 68 mm) | DIN rail mount |
| PSM-02 -AC230V | 230 | 1.5A/12VDC | 0.5A/12VDC | — | — | 0.95 | 6 3/16" x 3 7/8" x 2 11/16" (157.5 x 99 x 68 mm) | DIN rail mount |
| PSM-10T | 100-240V 50/60Hz | 0.5A/12VDC | 2A/12VDC | — | 0~75 | 0.35 | 5 1/16" x 2 7/8" x 2" (129 x 73 x 50mm) | DIN rail mount |
| PSM-112S | 100-240 | 1A/13.8VDC | — | 0.28A/ 14.5VDC | — | 0.25 | 4 13/16" x 3 15/16" x 2 11/16" (122 x 100 x 68mm) | DIN rail mount |
| PSM-224S | 100-240 | 2A/27.6VDC | — | 0.25A/ 27.6VDC | — | 0.34 | 4 13/16" x 3 15/16" x 2 11/16" (122 x 100 x 68mm) | DIN rail mount |
| PSM-312S | 100-240 | 3A/13.8VDC | — | 0.28A/ 14.5VDC | — | 0.34 | 4 13/16"x3 15/16"x2 11/16" (122x100x68mm) | DIN rail mount |
| PSM-512S | 100-240 | 5A/13.8VDC | — | 0.28A/ 14.5VDC | — | 0.35 | 4 13/16" x 3 15/16" x 2 11/16" (122 x 100 x 68mm) | DIN rail mount |
| PSM-28T | 100-240V 50/60Hz | 12V/13.8V 1.5A Max. | 12V/13.8V 1A Max. | 12V/13.8V 0.3A Max. | 0~45 | 0.22 | 5 1/16" x 2 7/8" x 2" (129 x 73 x 50mm) | Plug-in mount |
| PSM-29T | 100-240V 50/60Hz | 12V/13.8V 1.1A Max. | 12V/13.8V 1A Max. | 12V/13.8V 0.3A Max. | 0~45 | 2 | 8 1/4" x 8 11/16" x 3 1/8" (210 x 220 x 80mm) | Boxed |

* PSM-29T uses a sealed lead acid backup battery (12VDC, 7AH).

| PSM-01T-4-AC230V | PSM-02-AC230V | PSM-10T | PSM-112S |
|---|---|---|---|
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| PSM-224S | PSM-312S | PSM-512S | PSM-28T |
|---|---|---|---|
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**Warranty**
The product is warranted against defects in material and workmanship while used in normal service for a period of 1 year from the date of sale to the original customer. The GEM policy is one of continual development and improvement; therefore GEM reserves the right to change specifications without notice.