



# Solar Regulator

## GP PWM-25 Amp Digital Regulator

- For solar system control and protection
- Innovative, compact design
- Use with GP Solar Kits

### Provides Superior Battery Protection!

A Charge Regulator is an essential component of your photovoltaic (PV) system. The Regulator maintains the life of the battery by protecting it from overcharging. When your battery has reached a 100% state of charge, the Regulator prevents overcharging by limiting the current flowing into the batteries from your solar array.

The GP-PWM-25 is an automatic selecting 12 or 24 volt flush mounted photovoltaic (PV) charge controller rated for a continuous solar current input of 25 amps. The GP-PWM-25 uses pulse width modulation technology and a unique four stage charging system and optional equalize setting to charge and protect your battery bank. The GP-PWM-25 features an LCD digital display that shows solar array charge current, system battery voltage and battery capacity. The GP-PWM-25 display has a power saving feature that shuts the display off after 30 minutes of no user activity

- PWM Charging.
- 3 Battery Charging profiles.
- 4 Stage Charging.
- Monthly Equalize option.
- Displays Charging Current, Battery Voltage and Battery State of Charge.
- Reverse Polarity protected.
- Temperature Compensated.
- RoHS Compliant, environmentally safe
- Accepts over 400 Watts of solar at 12 volts.

Check out our other Go Power!™ products:

- Solar RV Kits
- Inverters
- Chargers
- DURALites

| Description                   | Value   |
|-------------------------------|---|
| Nominal System Voltage        | 12/24V, automatic selection   |
| Max. Solar Array Current      | 25 Amps   |
| Battery Voltage Range         | 6V – 31V  |
| Max. Solar Voltage            | 56V   |
| Operating Consumption         | 6mA   |
| Display Consumption           | 10mA  |
| Absorption Voltage            | 14.1/14.4V 28.2/28.8V (25°C / 77°F), 0.5-2h / Day   |
| Float Voltage                 | 13.7/27.4V (25°C / 77°F)  |
| Equalization Voltage          | 14.8/29.6V (25°C / 77°F), 2h / 28 Day or V < 12.1/24.2  |
| Temperature Compensation      | -4mV/cell*K   |
| Operating Temperature         | -40 to 85°C / -40 to 185°F  |
| Display Operating Temperature | -20 to 55°C / -4 to 131°F   |
| Humidity                      | 99% N.C.  |
| Dimensions (H x W x D):       | 107 x 190 x 35 mm<br>4.25 x 7.5 x 1.38 in   |
| Weight:                       | 278 grams<br>10 oz  |
| Maximum Wire Gauge:           | #6 AWG  |
| Warranty:                     | 5 years   |
| Protection                    | Battery Reverse Polarity, Solar Array Reverse Polarity (12V input only), Over Temperature, PV Short Circuit, Over Current |

The total rated Maximum Power Current (Imp) of the PV input should not exceed 25 Amps.

The GP-PWM-25 will limit PV current above 25 Amps.

Although the GP-PWM-25 will accept PV current greater than 25 Amps for a short duration, damage may occur if the GP-PWM-25 operates continuously with greater than 25 Amps of PV input.



**The POWER to GO anywhere!**

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