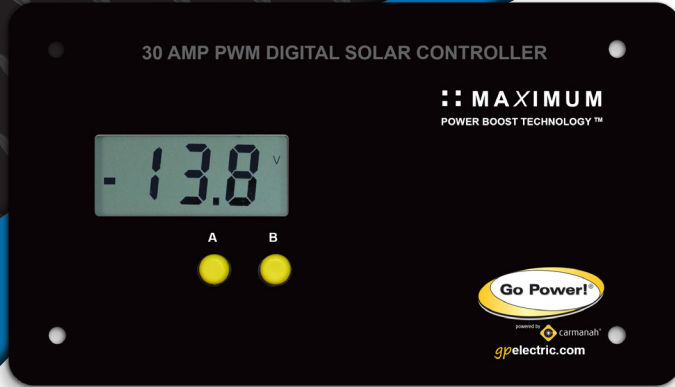




powered by carmanah®



GP-PWM-30

## Solar Controller

### GP-PWM-30

- For solar system control and battery protection
- Innovative, flush mount, compact design
- Suitable for 12V solar systems up to 500 watts
- Pulse Width Modulation
- Maximum Power Boost Technology™
- 5 year warranty

### Provides Superior Battery Protection

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

The GP-PWM-30 is a 12 volt flush mounted photovoltaic (PV) charge controller rated for a continuous solar current input of 30 amps. The GP-PWM-30 uses pulse width modulation technology and a unique four stage charging system and optional equalize setting to charge and protect your battery bank. The new Maximum Power Boost Technology™ allows the normal charging process to be overridden, to boost the voltage to 14.4 VOC for 30 minutes regardless of the batteries state of charge. The GP-PWM-30 features an LCD digital display that shows solar array charge current, system battery voltage and battery capacity.

### Features:

- Pulse Width Modulation Charging
- 3 Battery Charging profiles: Gel, AGM and Flooded
- 4 Stage Charging: Bulk, Float, Absorption and Equalize
- Monthly Equalize option
- Maximum Power Boost Technology™ for manual bulk charge at any stage of the charge cycle
- LCD display shows Charging Current, Battery Voltage and Battery State of Charge
- Reverse Polarity protected with alarm
- RoHS Compliant
- Accepts over 500 Watts of solar at 12 volts

SPECIFICATIONS*	VALUE
Nominal System Voltage	12V
Max Solar Array Current	30 amps
Battery Voltage Range	6V -- 15.5V
Max. Solar Voltage	28V
Operating Consumption	6mA
Display Consumption	10mA
Absorption Voltage	14.1/14.4 (25° C / 77°F), 1 - 2h / Day
Float Voltage	13.7V (25° C / 77°F)
Equalization Voltage	14.8 V (25° C / 77°F) 2h / 28 Day or V < 12.1
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 4.25 x 7.5 x 1.38 in
Weight	172 grams 6 oz
Maximum Wire Gauge:	#6 AWG
Warranty	5 years
Protection	Battery Reverse Polarity, Solar Array Reverse Polarity, Over temperature, PV Short Circuit, Over Current

\*Specifications subject to change without notice

- The total rated Maximum Power Current (Imp) of the PV input should not exceed 30 amps

Check out our other Go Power!™ products:

- Solar RV Kits
- Inverters
- SUNfilm solar chargers
- Smart Battery Chargers
- Installation Accessories



Clean, quite and affordable mobile power.