

10 Amp Digital Solar Controller



INCREASES BATTERY LIFE BY PREVENTING OVERCHARGING



SPECIFICATIONS			
Nominal System Voltage	12V		
Max Solar Array Current	10A		
Battery Voltage Range	6V 15.5V		
Max. Solar panel input voltage	28V		
Operating Consumption	6mA		
Display Consumption	10mA		
Temp. Compensation	-13mV/°F / - 24mV/°C		
Operating Temperature	- 40 to 185°F / - 40 to 85°C		
Humidity	99% N.C.		
Dimensions (H x W x D):	3.94 x 4.02 x 1.14 in; 100 x 102 x 29 mm		
Weight	6.3 oz; 178 grams		
Maximum Wire Gauge:	#4 AWG		
Warranty	5 year		
Protection	Battery Reverse Polarity, Solar Array Reverse Polarity, Over temperature, Over Current		

Charge voltages shown are at 77°F / 25°C. The total rated Maximum Power Current (Imp) of the PV input should not exceed 10 amps.

BATTERY SETTINGS	SEALED/ GEL	AGM	FLOODED
Bulk Charge Voltage Set Point	14.1V	14.4V	14.4V
Absorption Charge Voltage (30 min / day)			
Automatic boost charge applied for 2hr if battery voltage drops below 12.3V	14.1V	14.4V	14.4V
Float Charge Voltage	13.7V	13.7V	13.7V
Equalize Charge Voltage (2h / 28 days or after V < 12.1V)	Disabled	Disabled	14.9V

Specifications may be subject to change. Product may not be exactly as shown. Specifications subject to local environmental conditions.

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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 overcharging by limiting the current flowing into the batteries from your solar array.

The GP-PWM-10 is a 12 volt surface mounted photovoltaic (PV) charge controller rated for a continuous solar current input of 10 amps.

- Regulates current flow from your solar modules to your batteries
- Temperature compensated pulse width modulation (PWM) charging
- 3 Battery charging profiles: Sealed/Gel, AGM and Flooded
- 4 stage charging: Bulk, Absorption, Float and Equalize
- Automatic Maximum Power Boost Technology™
- Back lit LCD digital screen displays charging current, battery voltage and battery state of charge
- Built-in USB charge port
- Heavy-duty terminals for low resistance connections
- Suitable for 12V solar systems up to 160 watts
- 5 year warranty

AUTHORIZED DEALER: