



30 AMP SINGLE BANK SOLAR CONTROLLER



INCREASES BATTERY LIFE BY PREVENTING OVERCHARGING

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-SB-PWM-30BT is a 12 volt flush-mounted, single-bank, photo-voltaic (PV) charge controller rated for a continuous solar current input of 30 amps.

FEATURES:



- Bluetooth® ready with the Go Power! Connect app
- Regulates current flow from your solar modules to your batteries.
- Temperature compensated pulse width modulation (PWM) charging
- 4 battery charging profiles: Sealed/Gel, AGM, Flooded and LiFePO4 (lithium)
- 4 stage charging: Bulk, Absorption, Float and Equalize
- Back lit LCD screen displays charging current, battery voltage and battery state of charge
- Heavy-duty terminals for low resistance connections
- Suitable for 12V solar systems up to 30 amps
- 5-year warranty



Download our free Go Power! Connect app to view essential battery stats remotely.



GP-SB-PWM-30BT

SPECIFICATIONS

Nominal System Voltage	12V
Max Solar Array Current	30A
Battery Voltage Range	6V -- 16V
Max. Solar panel input voltage	28V
Max Solar Power	600W
Max. Battery Charge Current	37.5A
Display Consumption	≤15mA
Temp. Compensation	-25mV/K
Operating Temperature	-40 to 60°C / -40 to 140°F
Humidity	99% N.C.
Dimensions (H x W x D):	4.02 x 5.2 x 1.26 in; 102 x 132 x 32 mm
Weight	260g / 9.2oz
Maximum Wire Gauge:	#8 AWG/10 mm ²
Warranty	5 years
Protection	Battery/Solar Reverse Polarity, Battery/Solar Short Circuit, Battery/Solar Reverse Current, Battery/Solar Over voltage up to 50V, 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 30 amps.

BATTERY CHARGING PROFILE

	SEALED/ GEL	AGM	FLOODED	LIFEPO4	CUSTOM
Bulk Charge Voltage Set Point	14.1V	14.4V	14.4V	14.4V	
Absorption Charge Voltage (30 min / day)	14.1V	14.4V	8.16V	14.4V	
Float Charge Voltage	13.7V	14.1V	8.16V	14.0V	
Equalize Charge Voltage (2h / 28 days or after V < 12.1V)	Disabled	Disabled	14.9V	Disabled	8.16V

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