

PWM SOLAR CONTROLLER 10 & 20 AMP

CATEGORY:

PWM CONTROLLERS
POTTED SOLAR CONTROLLER

MODEL TYPE:

GP-PC-10-IP68
GP-PC-20-IP68

IDEAL FOR:



5 YEAR WARRANTY

SYSTEM CONTROL AT YOUR FINGERTIPS

Unlock the full potential of your RV's power system with the Go Power! Connect app!

Get real-time insights into your solar charging stats, battery levels, and power consumption on your mobile device. Monitor performance, and set inverter and charging parameters. Available on the iOS and Android app store.



GP-PC-10/20

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-PC Series potted controllers feature a weather-resistant enclosure for industrial applications. These controllers are available in a 10A or 20A version and automatically detect between 12 and 24 volt battery banks. Meets UL 1741, CSA 22.2 no. 107.1-01

KEY FEATURES



REGULATES CURRENT FLOW FROM YOUR SOLAR MODULES TO YOUR BATTERIES



TEMPERATURE COMPENSATED PULSE WIDTH MODULATION (PWM) CHARGING



WORKS WITH THE FOLLOWING LEAD BATTERIES: GEL, AGM AND FLOODED



3-STAGE CHARGING: MAIN, BOOST AND FLOAT



EASY TO READ LED STATUS INDICATORS WHICH REPORT: CHARGE STATUS, BATTERY SOC AND LOAD STATUS



INDUSTRIAL IP68 RATED POTTED ENCLOSURE WITH IP21 TERMINALS



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SPECIFICATIONS	GP-PC-10	GP-PC-20
Nominal System Voltage	12/24V (Auto Detection)	
Max Solar Array Current	10A	20A
Battery Voltage Range	12V System: 10.5 - 15.5 24V System: 21 - 31	
Max. Solar Panel Input Voltage	12V System: 30V 24V System: 50V	
Max. Peak Solar Panel Wattage	12V System: 175W 24V System: 350W	12V System: 350W 24V System: 700W
Operating Consumption	4mA	
Temp. Compensation	12V System: -13mV/°F (-24mV/°C) 24V System: -26mV/°F (-48mV/°C)	
Operating Temperature	- 40 to 140°F (-40 to 60°C)	
Humidity	99% N.C.	
Dimensions (H x W x D):	3.94 x 2.4 x 0.79 in (100 x 61 x 20 mm)	
Weight	5.6 oz (160 grams)	
Maximum Wire Gauge:	#8 AWG	
Warranty	5 year	
Protection	IP68 (Enclosure), IP21 (Terminals)	
Certifications	CE, RoHS, UL1741, CSA 22.2 No. 107.1-01	
Safety Features	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 (I_{mp}) of the PV input should not exceed 10 amps for the GP-PC-10 or 20 amps for the GP-PC-20.

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



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