

# GENASUN™



## 10-30% More Power from your Panels with Genasun's GV-10 MPPT Solar Charge Controller

Genasun's GV-10 solar charge controller employs Maximum Power Point Tracking (MPPT) to deliver 10 - 30% more power from your solar panels than conventional PWM controllers. Connected between a solar panel and a 12V battery, Genasun's controller operates the solar panel at its most efficient voltage, typically higher than the battery voltage. Through high-efficiency power conversion, this extra voltage is turned into extra current, right to your batteries.

The GV-10's tiny night consumption and wide battery temperature compensation range make it an ideal choice for remote outdoor installations. The GV-10 may also be ordered for many common types of lithium batteries.

### Specifications:

Rated Panel Power.....140 W  
Rated Output Current.....10.5 A  
Input Voltage ..... 0 - 34 V  
Night Consumption ..... 800  $\mu$ A (0.8 mA)  
Absorption Voltage.....14.2 V  
Battery Float Voltage .....13.8 V  
Temperature Compensation.....-28mV/°C  
(Lithium Battery Versions Available)  
Electrical Efficiency (typical)..... 95%  
MPPT Tracking Efficiency (typical)..... 99%  
Size ..... 5.5x2.5x1.5", 14x6.5x3.5cm  
Weight ..... 6.5oz., 185g



### Features:

- 10 - 30% Typical Power Gain
- Prevents Over-Charging
- Marine-Grade Hardware
- LED Status Indicator
- Overload Protected
- Over-Temperature Protected
- Automatic Fault Recovery
- Robust Tracking Algorithm
- Can Charge from DC Source
- Made in USA
- Limited Lifetime Warranty

### Applications:

- Remote Monitoring
- Rural Electrification
- Roadway Signage
- Parking Pay Stations
- Sailboats
- Campers



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