

Reliability & efficiency down to a science.

Marine | RV | Industrial | Military | Street Lighting | Off-Grid

You paid for 140 Watts. Get your money's worth with Genasun. With the Genasun GV-10 MPPT controller, continuous power is yours for the taking. The only 10.5A 140W MPPT solar charge controller on the market today, the GV-10 extracts more power from any given panel than a PWM controller. And though PWMs may offer a lower controller cost, Genasun MPPT controller delivers more power - reducing the cost per watt by 10-30% and giving you more bang for your buck.



GV-10

10.5A @ 12V MPPT 140W

98% peak efficiency •

Built-in fuse •


Excellent low-light performance •


Ultra-fast true MPP Tracking •


Compact for easy installation •

No fans. No relays •

Take advantage of Genasun's advanced MPPT technology and enjoy more reliable power from smaller panels.

 **+10%**
additional power
in the summer.
No panel is too
hot to handle.

 **+30%**
more power on
those shorter,
colder winter days.

 **+50%**
increase in
energy harvest
from partially
shaded panels.

Typical power gains from Genasun MPPT controllers vs the best PWM controllers available.



www.genasun.com Sold through Blue Sky Energy
(760) 597-1642 sales@blueskyenergyinc.com

Specifications:

GV-10-Pb-12V

GV-10-Li-*.*.V

| | | | | |
|--|---|----------------|----------------|-------|
| Maximum Recommended Panel Power: | 140W | | GV-10-Li-12.5V | 120W |
| | | | GV-10-Li-14.2V | 140W |
| | | | GV-10-Li-16.7V | 160W |
| Rated Battery (Output) Current: | 10.5A | | 10.5A | |
| Nominal Battery Voltage: | 12V | | N/A | |
| Max Panel Voltage (Voc): | 34V | | 34V | |
| Recommended Max Voc at STC: | 27V | | 27V | |
| Minimum Battery Voltage for Operation: | 8.5V | | 8.5V | |
| Charge Profile: | Multi-Stage with Temperature Compensation | | CC-CV | |
| Charging Voltages: | FLOODED Setting | SEALED Setting | | |
| Equalization Voltage: | 15.0V | - | - | |
| Equalization Time: | 2 Hours | - | - | |
| Equalization Interval: | 30 Days | - | - | |
| Bulk Voltage: | 14.6V | 14.3V | - | |
| Absorption Voltage: | 14.4V | 14.1V | - | |
| Absorption Time: | 2.5 Hours | | - | |
| Float Voltage (Pb models) or CV Voltage (Li models): | 13.5V | 13.7V | GV-10-Li-12.5V | 12.5V |
| | | | GV-10-Li-14.2V | 14.2V |
| | | | GV-10-Li-16.7V | 16.7V |
| Battery Temperature Compensation: | -28mV/°C | | - | |
| Operating Temperature: | -40°C - 85°C | | | |
| Electrical Efficiency: | 96% - 98% typical | | | |
| Tracking Efficiency: | 99+% typical | | | |
| MPPT Tracking Speed: | 15Hz | | | |
| Night Consumption: | 0.9mA (900uA) | | | |
| Environmental Protection: | IP40 (Terminals Nickel Plated) | | | |
| Connection: | 4-position terminal block for 10-30AWG wire | | | |
| Weight: | 6.5oz., 185g | | | |
| Dimensions: | 5.5x2.5x1.2", 14x6.5x3.1cm | | | |
| Warranty: | 5 years | | | |

Certifications:

