



GV-5 MPPT Solar Charge Controller for Harsh Environments

Electrolytic-Free • Micropower Consumption

Genasun's GV-5 is the first solar charge controller engineered from the start for the difficult light conditions and harsh environments encountered by remote off-grid solar devices.

Unlike other controllers, the GV-5 is designed completely without electrolytic capacitors, meaning there is no performance loss at low temperatures, and there are no parts to degrade over time.

The GV-5's operating and quiescent consumption is 1/20th to 1/250th of other controllers, ensuring phenomenal low-light performance and negligible consumption at night or over the polar winter.

Stock versions of the GV-5 are available for lithium batteries, and the GV-5's ability to start up with no battery present ensures compatibility with the majority of lithium battery protection systems.

And, as with all our solar products, MPPT delivers 10-30% more power to the battery than a PWM controller.



Features:

- Designed for difficult lighting conditions: under trees, near buildings, in fog or shade
- 10 - 30% Typical Power Gain from MPPT
- Overload, Over-Temperature Protected
- Temperature Compensated Battery Charging
- Multi-stage Battery Charging
- Electronic Reverse-Polarity Protections
- Robust Tracking Algorithm
- Short Circuit Protected Low-Voltage-Disconnect (LVD) Load Output
- Simple Installation
- Conformally Coated
- Marine-Grade Hardware
- Made in the USA



Specifications:

Rated Panel Power	65 W
Rated Output Current	5 A
Panel Voc	0 - 27 V
Operating Consumption.....	150 μ A (0.150 mA)
Night Consumption.....	125 μ A (0.125 mA)
Battery Float Voltage	13.8 V
Absorption Voltage	14.2 V
Battery Temperature Compensation	-28mV/°C
(Lithium Battery Versions Available)	
Electrical Efficiency (typical)	94% - 99.8%
MPPT Tracking Efficiency (typical)	99%
Continuous LVD Load Output.....	5+A
Size	4.3 x 2.2 x 0.9", 11 x 5.6 x 2.5 cm
Weight	2.8 oz., 80 g

For more information, please call us at
617-369-9083 or visit <http://www.genasun.com>