GVB-8-Pb Genasun MPPT Solar Boost Charge Controller

Price: CAD $209.00 - CAD $279.00

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Product Page: https://www.modernoutpost.com/product/gvb-8-pb-12v-genasun-mppt-solar-boost-charge-controller/

Product Variants

- GVB-8-Pb Genasun MPPT Solar Boost Charge Controller - 12V ()

- GVB-8-Pb Genasun MPPT Solar Boost Charge Controller - 24V ()

- GVB-8-Pb Genasun MPPT Solar Boost Charge Controller - 36V ()

- GVB-8-Pb Genasun MPPT Solar Boost Charge Controller - 48V ()

Product Summary

GVB-8-Pb is the Genasun MPPT Solar Boost Charge Controller for 8A 105-350W solar modules & Lead Acid batteries.

Product Description

GVB-8-Pb is the Genasun MPPT Solar Boost Charge Controller for 8A 105-350W solar modules & Lead Acid batteries.

Most solar charge controllers move power from a higher voltage panel to a lower voltage battery bank. The GVB-series controllers, in contrast, pump electricity up hill. These controllers will take a lower voltage panel and boost the voltage to charge a 24V, 36V or 48V battery pack. In fact, the GVB's will work with almost any panel that's below your battery voltage. Larger panels are cheaper per Watt than smaller panels, so using one large panel and a boost controller results in a significantly lower system cost than smaller panels in series with a conventional charge controller.

GVB-8-Pb : 8A MPPT Controller - 99% Peak Efficiency - Continuous MPPT - IP40 - Advanced electronic protections - 5 Year Warranty **CE, FCC, and RoHS** compliant
Product Brochure
Product Selection Guide

Genasun GVB-8 :

Mission-Critical Reliability

Genasun controllers are deployed to the most remote locations on earth. They endure years at sea, harsh Antarctic winters, freezing conditions in the upper atmosphere on solar powered airplanes, and in a few off-the-map locations. Made in the USA, each controller is put through complete electrical testing to ensure reliability. If you need mission-critical power, this is your controller.

High-Speed MPPT: Always on Target

Not all Maximum Power Point Tracking controllers were created equally. Most use a sweep and sleep method that scans the entire voltage range every 30-60 seconds. That's okay for a clear day, with a stationary panel. But moving vehicles and changing cloud cover require a faster, more advanced controller. Genasun controllers adapt to changing light conditions 15 times every second. They are always on target, capturing every bit of available sunshine. Simply put, other controllers can't keep up.

Made in the USA

GVB-8 Features...

LED Indicator

The built-in LED will quickly tell you that you've installed the controller correctly. Simple to read, it will also let you know when the battery is charging from solar

power, and when the battery has reached full charge.

Marine Grade: Reliable Power After Years at Sea

Genasun Boost controllers provide reliable power in the harshest environments on earth. GVB's have been powering boats on round-the-world sailing races for years.

No Fans. No Relays.

Fans get clogged with dust and dirt. Relays eventually stop switching. Genasun controllers use advanced electrical design that obsoletes these parts. With fewer moving parts to wear out, Genasun controllers outlast the competition.

GVB-8-Pb Specifications...

- Rated Panel (Input) Current: 8A* - Minimum Panel Voltage for Charging: 5V - Minimum Battery Voltage for Operation: 9.5V - Recommended Max Panel Voc at STC: 50V - Absolute Maximum Panel Open-Circuit Voltage (Voc): 60V - Input Voltage Range: 0-60V - Maximum Input Short Circuit Current**: 8A* - Maximum Input Current***: 15A - Charge Profile: Multi-Stage with Temperature Compensation - Nominal Battery Voltage: 12V / 24V / 36V / 48V - Maximum Recommended Panel Vmp: 13V / 26V / 41V / 43V

Maximum Recommended Panel Power (8A Panel w/~155mm cells):
12V : 105W
24V : 210W
36V : 325W
48V : 350W

* Panel ratings have increased since we designed the GVB. Although we don't believe in changing specifications without a corresponding engineering change, based on both our customers' experiences over the years as well as the headroom we designed into the GVB, we feel comfortable recommending the GVB for panels

with Imp up to 9A.
** Panel Isc. Maximum input power and maximum input voltage requirements must also be respected.
*** Maximum current that the controller could draw from an unlimited source. This specification is not intended for determining PV input.

Product Attributes

- Dimensions: 1 × 1 × 1 cm
- Weight: .3 kg
- Battery Voltage: 12V, 24V, 36V, 48V

Product Gallery