



Voltage-Boost Solar Charge Controllers

For Batteries up to 48V with a 12/24/36V Solar Panel

Genasun's GVB boost solar charge controllers allow flexibility in system design: the battery voltage can be chosen independently of the solar panel used. Systems using these controllers can pair a low-voltage solar panel with battery systems of 12, 24, 36, or 48V, resulting in significant cost savings compared to using a higher voltage panel of the same power.

Voltage boost is useful for any system with limited panel space and a high battery voltage. This is a common situation in **electric vehicles** that use 24, 36, or 48V batteries to lower wiring cost and weight, as well as solar **streetlights**. The voltage boost allows independent control of solar panels that would otherwise be wired in series in systems such as **navigation buoys** that have panels facing multiple directions.



Specifications:

	GVB12-8	GVB24-8	GVB36-8	GVB48-8
Absorption Voltage (V)	14.2	28.4	42.6	56.8
Float Voltage (V)	13.8	27.6	41.4	55.2

Custom voltages are available on request for lithium or other batteries.

Rated Input Current8A
 Panel Open-Circuit Voltage <63V
 Night Consumption < 7 mA
 Electrical Efficiency (typical) 94-97%
 MPP Tracking Efficiency (typical) 99%
 Size 5.5x2.5x1.5", 14x6.5x3.5cm
 Weight70z., 200g

Feel free to call, email, or visit our web site to find out more about the GVB controllers.

Features:

- Maximum Power Point Tracking
- Prevents Over-Charging
- Multi-stage battery charging
- Marine-Grade Hardware
- Overload Protected
- Over-Temperature Protected
- Temperature Compensation
- Automatic Fault Recovery
- Robust Tracking Algorithm
- Made in USA
- Waterproof Potted Version Available

