Reliability & efficiency down to a science.

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

Get your money's worth with Genasun. A true problem-solver, the unique GVB charge controller with MPPT allows a lower-voltage solar panel to charge higher-voltage batteries. Want to charge a 24V battery with a 48-cell solar panel? No problem. A 48V battery from a 12V panel? We've got you covered. With 99% peak efficiency, they are the industry's most efficient voltage-boosting controllers. True MPPT delivers consistent performance, unlike the "Nominal MPPT" of competitors. The advanced electronics inside the controller are encased in a proprietary potting compound making them ideal for golf-cart, marine, and vehicle applications.

GVB-8-WP (BOOST) | 8A MPPT @ 12-48V

- Waterproof
- 99% peak efficiency
- Built-in fuse
- Ultra-fast true MPP Tracking
- Excellent low-light performance
- Wire leads for easy installation

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.

GENASUN

www.genasun.com
(760) 597-1642

Sold through Blue Sky Energy
sales@blueskyenergyinc.com

Specifications:

	GVB-8-Pb-12V-WP	GVB-8-Pb-24V-WP	GVB-8-Pb-36V-WP	GVB-8-Pb-48V-WP	GVB-8-Li-**.*V-WP
Rated Panel (Input) Current:	8A*				
Minimum Panel Voltage for Charging:	5V				
Minimum Battery Voltage for Operation:	9.5V				
Maximum Input Panel:	60V				
Recommended Max Panel Voc at STC:	50V				
Input Voltage Range:	0-60V				
Maximum Input Short Circuit Current**:	8A*				
Maximum Input Current***:	15A				
Charge Profile:	Multi-Stage with Temperature Compensation				CC-CV
Nominal Battery Voltage:	12V	24V	36V	48V	(See specs for closest -Pb equivalent.)
Maximum Recommended Panel Vmp:	13V	26V	41V	43V	
Maximum Recommended Panel Power (8A Panel w/~155mm cells):	105W	210W	325W	350W	
Bulk Voltage:	14.4V	28.8V	43.2V	57.6V	–
Absorption Voltage:	14.2V	28.4V	42.6V	56.8V	–
Absorption Time:	2 Hours				–
Float Voltage (Pb models) or CV Voltage (Li models):	13.8V	27.6V	41.4V	55.2V	**.*V as specified in part number
Battery Temperature Compensation:	-28mV/°C	-56mV/°C	-84mV/°C	-112mV/°C	–
Electrical Efficiency:	95% - 97% typical	96% - 98% typical	96% - 98% typical	96% - 99% typical	(See specs for closest -Pb equivalent.)
Night Consumption:	7mA	6mA	6mA	5mA	
Tracking Efficiency:	99+% typical				
MPPT Tracking Speed:	15Hz				
Operating Temperature:	-40°C – 85°C				
Enviromental Protection:	IP68, Waterproof				
Connection:	Flying Leads, 16 AWG tinned wire, pre-stripped				
Weight:	10.3oz (290g)				
Dimensions:	5.5x3.2x2.2", (14x8.1x5.5cm)				
Warranty:	5 years				

*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.

Certifications: