

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 36V battery with a 60-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.



GV-Boost Waterproof | 8A MPPT @ 36/48V

Waterproof •

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

Specifications:

GVB-8-Pb-36V-WP

GVB-8-Pb-48V-WP

Rated Panel (Input) Current:	8A	
Minimum Panel Voltage for Charging:	5V	
Minimum Battery Voltage for Operation:	9.5V	
Absolute Maximum Panel Open-Circuit Voltage (Voc):	63V	
Nominal Battery Voltage:	36V	48V
Maximum Recommended Panel STC Maximum Power Voltage (Vmp):	41V	43V
Maximum Recommended Panel Power (8A Panel w/~155mm cells):	325W	350W
Bulk Voltage:	43.2V	57.6V
Absorption Voltage:	42.6V	56.8V
Absorption Time:	2 Hours	
Float Voltage:	41.4V	55.2V
Battery Temperature Compensation:	-84mV/°C	-112mV/°C
Electrical Efficiency:	96% - 98% typical	96% - 99% typical
Night Consumption:	6mA	5mA
Tracking Efficiency:	99+% typical	
MPPT Tracking Speed:	15Hz	
Environmental:	Waterproof	
Connection:	Flying Leads, 16 AWG tinned wire, pre-stripped	
Weight:	10.3oz (290g)	
Dimensions:	5.5x3.2x2.2", (14x8.1x5.5cm)	
Warranty:	2 years	

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