Reliability & efficiency down to a science.

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

You paid for 140 Watts. Get your money's worth with Genasun. With the Genasun GV-10 MPPT controller, continuous power is yours for the taking. The only 10.5A 140W MPPT solar charge controller on the market today, the GV-10 extracts more power from any given panel than a PWM controller. And though PWMs may offer a lower controller cost, Genasun MPPT controller delivers more power – reducing the cost per watt by 10-30% and giving you more bang for your buck.

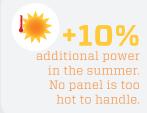


GV-10

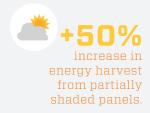
10.5A @ 12V MPPT 140W

- 98% peak efficiency
 - Built-in fuse •
- Excellent low-light performance
 - Ultra-fast true MPP Tracking •
 - Compact for easy installation
 - No fans. No relays

Take advantage of Genasun's advanced MPPT technology and enjoy more reliable power from smaller panels.







ypical power gains from Genasun MPPT controllers vs the best PWM controllers available.



Specifications:

GV-10-Pb-12V

GV-10-Li-**.*V

	Q V - TO -	-bn-19 A	Q A - TO - TI -	. V	
Maximum Recommended Panel Power:		140W		120W	
	140			140W	
				160W	
Rated Battery (Output) Current:	10.5A		10.5A		
Nominal Battery Voltage:	12V		N/A		
Max Input Voltage:	34V		34V		
Recommended Max Voc at STC:	27V		27V		
Minimum Battery Voltage for Operation:	8.5V		8.5V		
Input Voltage Range:	0-34V		0-34V		
Maximum Input Short Circuit Current*:	10.5A		10.5A		
Maximum Input Current**:	19A		19A		
Charge Profile:	Multi-Stage with Temperature Compensation		CC-CV		
Charging Voltages:	FLOODED Setting	SEALED Setting			
Equalization Voltage:	15.0V	-	_		
Equalization Time:	2 Hours	-	_		
Equalization Interval:	30 Days	-	<u>-</u>		
Bulk Voltage:	14.6V	14.3V	-		
Absorption Voltage:	14.4V	14.1V	_		
Absorption Time:	2.5 Hours -				
Float Voltage (Pb models) or CV Voltage (Li models):	13.5V	13.7V	GV-10-Li-12.5V	12.5V	
			GV-10-Li-14.2V	14.2V	
			GV-10-Li-16.7V	16.7V	
Battery Temperature Compensation:	-28mV/°C (referred to 25°C)		disabled		
Operating Temperature:	-40°C – 85°C				
Maximum Full Power Ambient:	70°C				
Electrical Efficiency:	96% - 98% typical				
Tracking Efficiency:	99+% typical				
MPPT Tracking Speed:	15Hz				
Night Consumption:	0.9mA (900uA)				
Environmental Protection:	IP4	IP40, Nickel-Plated Brass & Stainless Hardware			
Connection:	4-position terminal block for 10-30AWG wire				
Certifications:	cETLus Safety, Recognized Component cETLus HazLoc (C1D2), CE, FCC, RoHS				
Weight:	6.5oz., 185g				
Dimensions:	5.5x2.5x1.2", 14x6.5x3.1cm				
Warranty:	5 years				

^{*}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.