

Power + Reliability + Efficiency. Down to a science.

- **A technical tour de force.**

The truth is, every controller uses power to create power. But at Genasun, we use it wisely. While a typical PWM controller burns 9mA, most Genasun MPPT Controllers burn less than a scant 0.9mA. That's 10 times less. This slow burn is ideal for waiting out a snow-covered panel or a few bad weeks of clouds, giving you power when you need it most.

- **Heat leads to failure. And we tolerate neither.**

Cyclic heating stresses electronics, ultimately leading to system failure. While most companies use large heat sinks or fans to get rid of heat, Genasun designed more efficient controllers that simply create less.

- **Silence is golden.**

Most solar charge controllers are plagued by electromagnetic interference (EMI), wasting energy, interfering with nearby electronics, and broadcasting your location to potential adversaries. But we're in the business of making power, not noise. That's why all Genasun controllers are designed to generate clean, unfiltered power, and are optimized for precision sensors and electronics.

- **Lithium & lead-acid. Our chemistry with your batteries.**

Our 4-stage battery charging algorithm ensures the optimal charge cycle for your batteries, maximizing battery life and capacity no matter the chemical makeup. Drawing from nine years of experience building lithium battery packs for harsh environments, Genasun has optimized the best lithium charge profiles to help you get the most from your pack.

- Up to 99.85% peak efficiency
- Ultra high-speed MPPT
- Ultra low electromagnetic interference (EMI)
- Ceramic Drive MPPT
- Lead-acid & lithium profiles available
- Electronic-overload protection
- Over-temperature-protected with current-fold back
- Automatic recovery from fault conditions
- Shade-tolerant tracking

See what the Genasun line is made of.

	GV-4	GV-5	GV-10	GV-15	GV-Boost
Max Panel Power:	50W	65W	140W	200W	105W - 425W
Continuous Current Rating:	4A	5A	10.5A	15A	8A
Nominal Battery Voltage:	12V	12V	12V	12V	12V, 24V, 36V, 48V
Panel Voltage (VOC):	27V	27V	34V	34V	63V
Peak Efficiency	98%	99.85%	98%	99%	99%
Genasun Ultra High-Speed MPPT	Yes	Yes	Yes	Yes	Yes
Ceramic Drive MPPT		Yes		Yes	
Low Voltage Disconnect (LVD)		Yes		Yes	
Battery Chemistry Available	Lead	Lead/Lithium	Lead/Lithium	Lead/Lithium	Lead/Lithium
Dimensions	11x5.6x2.5 cm	11x5.6x2.5 cm	14x6.5x3.5 cm	14.6x9.4x3.4 cm	14x6.5x3.1 cm
Marine Grade	Yes	Yes	Yes	Yes	Yes
Warranty	5 years	10 Years	5 years	10 Years	5 Years

SPECIFICATIONS SUBJECT TO CHANGE.



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