

# GENASUN



## State of the Art Lithium Energy Storage MPPT Solar Controllers, and Lithium-Specific Alternator Regulators

### Lithium System Features:

#### CBMS (Complete Battery Management System) provides:

*Genasun's proprietary on-the-fly cell balancing and exclusive dual positive bus  
Overload, over-Charge, over-Discharge, and built-in alternator protection*

*High and Low Temperature protection*

*Multiple-bank systems offer continuous power if any bank damaged (water, short-circuit, etc.)*

### Significant Weight Savings:

*50% less weight than lead batteries, 75% less weight for same useable AH capacity*

### Long Cycle Life:

*Lithium Cells rated for >2000 cycles at 80% discharge depth, >3000 cycles at 70% discharge depth*

### Fast, Efficient Charging:

*99+% efficient Ah in vs. Ah out; No Absorption/Acceptance phase necessary*

### Safe Chemistry:

*Stable Lithium-Iron-Phosphate chemistry eliminates thermal-runaway*



– Made in USA - 2 Year Warranty - Proven Record in Racing and Cruising: 250,000+ Offshore Miles-

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## Lithium System Prices

Battery Systems include preassembled batteries (battery racks, covers, cell interconnects, etc.), Complete Battery Management System (CBMS), and contactors for Genasun's exclusive dual positive bus system. Multiple-bank systems (2x or 3x) are composed of completely redundant parallel banks, offering exceptional safety and dependability.

<b>12V &amp; 24V House Battery Banks</b>	<b>Complete System Weight</b>	<b>Price, USD</b>
100Ah (1 x 100Ah) x 12V	15.5kg	\$2,750.00
200Ah (1 x 200Ah) x 12V	30kg	\$5,000.00
200Ah (2 x 100Ah) x 12V	31kg	\$5,500.00
300Ah (3 x 100Ah) x 12V	47kg	\$8,250.00
400Ah (2 x 200Ah) x 12V	59kg	\$10,000.00
720Ah (2 x 360Ah) x 12V	103kg	\$14,000.00
1080Ah (3 x 360Ah) x 12V	137kg	\$21,000.00
200Ah (2 x 100Ah) x 24V	59kg	\$10,000.00
300Ah (3 x 100Ah) x 24V	88kg	\$15,000.00
360Ah (2 x 180Ah) x 24V	103kg	\$14,000.00
540Ah (3 x 180Ah) x 24V	137kg	\$21,000.00
720Ah (2 x 360Ah) x 24V	203kg	\$27,000.00
1080Ah (3 x 360Ah) x 24V	304kg	\$40,000.00

<b>48V Propulsion Battery Banks</b>	<b>Complete System Weight</b>	<b>Price, USD</b>
100Ah, 48V	58kg	\$10,000.00
180Ah, 48V	102kg	\$14,000.00
360Ah, 48V	202kg	\$27,000.00

## Solar Controllers and Alternator Regulators

<b>Product</b>	<b>Description</b>	<b>Weight</b>	<b>Price, USD</b>
GV-4-Li-14.2V	4A MPPT Solar Charge Controller for 12V	80g	\$110.00
GV-5-Li-14.2V	5A MPPT Solar Charge Controller for 12V	80g	\$130.00
GV-10-Li-14.2V	10.5A MPPT Solar Charge Controller for 12V	185g	\$170.00
GVB24-8-Li-28.4V	MPPT Boost Solar Charge Controller, charges 24V battery from 12V nominal solar panel	185g	\$280.00
GVB48-8-Li-56.8V	MPPT Boost Solar Charge Controller, charges 48V battery from 12V-36V nominal solar panel	185g	\$320.00
AR2-14.2V	Alternator Regulator for 12V Lithium System	185g	\$400.00
AR2-28.4V	Alternator Regulator for 24V Lithium System	185g	\$400.00
AR2-56.8V	Alternator Regulator for 48V lithium System	185g	\$400.00

### Consulting:

Genasun can provide consulting to determine the best possible battery and charging configuration for your needs. Programming & configuration of inverters and chargers for Genasun batteries is also available.

### Warranty:

Genasun solar charge controllers carry a limited lifetime warranty on materials and workmanship. Genasun batteries and battery management systems (BMS) carry a two-year warranty on materials and workmanship. Genasun's warranty does not cover damage due to abuse, operation beyond the rated specifications, or use without a properly installed and configured battery management system (BMS). An on-site system inspection by a Genasun technician or representative is required to activate the warranty on batteries and battery management systems. Installation is not included. Normal decrease in battery capacity resulting from use is not covered under this warranty.