

2017 Solar Charge Controller Pricing and Specs



GENASUN



- Up to 99.85% Peak Efficiency
- Ultra high speed MPPT
- Lightest weight and smallest controllers
- Lithium specific models
- Highest efficiency Boost MPPT's up to 48V battery V

MPPT's for smaller arrays with 99% efficient power conversion

MPPT	Battery Chemistry/ Voltage	Max Panel Power	Max Panel V	Max Output Current	L x W x H (in)	Weight	Charge algorithm Bulk/Absorption/Float/Reset	Price
GV-4	Lead/12V	50W	27V	4A	4.5x2.2x1	2.8oz	14.2V/2hr/13.8V/12.5V	\$65
GV-5-Pb	Lead/12V	65W	27V	5A	4.5x2.2x1	2.8oz	14.2V/2hr/13.8V/12.5V	\$75
GV-5-Li	LiFePO/12V	65W	27V	5A	4.5x2.2x1	2.8oz	14.2V Const V/13.2V reset	\$99
GV-10-Pb	Lead/12V	140W	34V	10.5A	5.5x2.5x1.4	6.5oz	Sealed 14.3V/14.1V/13.7V/12.5V Flooded 14.6V/14.4V/13.5V/12.5V	\$109
GV-10-Pb-FF	Lead/12V	140W	34V	10.5A	5.5x2.5x1.4	6.5oz	Sealed 14.4V/14.2V/13.2V/12.5V Flooded 14.6V/14.4V/13.5V/12.5V	\$109
GV-10-OPE-Li3 12V	OPE-Li3/12V	140W	34V	10.5A	5.5x2.5x1.4	6.5oz	14.5V/14.2V/13.4V/13.2V	\$199
GV-10-Li-CV	Li/customV	140W	34V	10.5A	5.5x2.5x1.4	6.5oz	Custom	\$159
Custom Programming Fee								\$200

MPPT Boost if solar panel V is less than battery V

MPPT Boost	Battery Chemistry/ Voltage	Max Panel Power	Max Panel V	Max Output Current	L x W x H (in)	Weight	Charge algorithm Bulk/Absorption/Float/Reset	Price
GVB-8-12-Pb	Lead/12V	105W	63V	8A	4.4x2.2x1	6.5oz	14.4V/14.2V/13.8V/12.5V	\$119
GVB-8-12-Pb-FF	Lead/12V	105W	63V	8A	4.4x2.2x1	6.5oz	14.4V/14.2V/13.2V/12.5V	\$119
GVB-8-24-Pb	Lead/24V	210W	63V	8A	4.4x2.2x1	6.5oz	28.8V/28.4V/27.6V/25V	\$169
GVB-8-36-Pb	Lead/36V	325W	63V	8A	4.4x2.2x1	6.5oz	43.2V/42.6V/41.4V/36.5V	\$189
GVB-8-48-Pb	Lead/48V	350W	63V	8A	4.4x2.2x1	6.5oz	57.6V/56.8V/55.2V/50V	\$189
GVB-8-OPE-Li3-12V	OPE-Li3/12V	105W	63V	8A	4.4x2.2x1	6.5oz	14.5V/14.2V/13.4V/13.2V	\$199
GVB-8-OPE-Li3-24V	OPE-Li3/24V	210W	63V	8A	4.4x2.2x1	6.5oz	29V/28.4V/27.2V/26.5V	\$269
GVB-8-Li-CV	Li/customV	varies	63V	8A	4.4x2.2x1	6.5oz	Custom	\$239
Custom Programming Fee								\$200

SOLUTIONS

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- Remote Displays available with Battery System monitoring
- Suitable for arrays up to 800W (SB3024iL)
- IPN Network interface coordinates multiple controllers
- Remote temperature compensation

Product#	Battery Chemistry/ Voltage	Max Panel Power	Max Panel V	Max Output I	LxWxH (cm)	Weight	Digital Display?	Price
SB1524iX	Lead 12V/24V, programmable for Li	12V/270W 24V/400W	45.6V	20A/12V 15A/24V	14x14x12	21oz	No	\$189
SB2512iX	Lead/12V Programmable for Li	340W	40V	25A	14x14x7	21oz	No	\$254
SB3000i	Lead/12V, programmable for Li	400W	40V	30A	16x12x6	24oz	Yes	\$290
SB3024iL	Lead 12V/24V Programmable for Li	12V/540W 24V/800W	45.6V	40A/12V 30A/24V	17x17x8	80oz	no	\$365
Temp Sensor	Battery temp sensor for any BSE solar charge controller.							\$29
IPNREM	Remote Display compatible w/ SB3000i and SB3024iL, displays Battery V and Charge Current for up to 8 MPPT's							\$89
IPNPRO	Remote Display compatible w/ SB3000i & SB3024iL, combines charge controller and battery system monitoring. Includes amp-hour counting battery capacity display.							\$220



- Buck/Boost circuit for MPPT when panel V is either higher or lower than battery V (WMARINE10)
- Remote temperature compensation
- Digital Display showing battery V, charge current, charge program, load current, etc.

Product#	Battery Chemistry/ Voltage	Max Panel Power	Max Panel V	Max Output I	PM Consump.	LxWxH (cm)	Weight	Price
WMARINE 10	Lead or Li 12V/24V autodetect	12V/120W 24V/220W	40V	10A	12.7mA 17.7mA	15x13x5	18oz	\$204
WRM15	Lead or Li 12V/24V autodetect	12V/250W 24V/500W	100V	15A	12.7mA 17.7mA	15x13x5	18oz	\$180
WRM15 dual b	Lead or Li 12V/24V autodetect	12V/250W 24V/500W	100V	15A	12.7mA 17.7mA	15x13x5	18oz	\$314
WRM30	Lead or Li 12V/24V/48V autodetect	12V/450W 24V/900W 48V/1800W	150V	30A	34mA 21mA 12mA	27x18x8	70oz	\$463



- Very fast MPPT algorithm
- Small and efficient
- Great value

Product#	Battery Chemistry/ Voltage	Max Panel Power	Max Panel V	Max Output I	LxWxH (cm)	Weight	Price
Blue Solar 75/15	Lead or Li 12V/24V autodetect	12V/200W 24V/400W	75V	15A	10x11.3x4	17oz	\$104
Blue Solar 100/30	Lead or Li 12V/24V autodetect	12V/440W 24V/880W	100V	30A	13x18.6x7	40oz	\$231
Blue Solar 100/50	Lead or Li 12V/24V	12V/700W 24V/1400W	100V	50A	13x18.6x7	40oz	\$347
MPPT CTRL	Small display that can be connected to most Victron Blue Solar MPPT's to program the MPPT or monitor values such as Voltage, Current, & historical data						\$92
Bluetooth Dongle	Bluetooth adapter enabling programming & monitoring of Victron Solar controllers through smartphone or tablet						\$58



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