

# Solar Charge Controller Pricing and Specs



- 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(Voc)	Min Panel V(Vmp)	Max Output Current	L x W x H (in)	Weight	Charge algorithm Bulk/Absorption/ Float/Reset	Price
GV-4	Lead/12V	50W	27V	Batt V + 1V	4A	4.5x2.2x1	2.8oz	14.2V/2hr/13.8V/12.5V	\$65
GV-5-Pb	Lead/12V	65W	27V	Batt V + 1V	5A	4.5x2.2x1	2.8oz	14.2V/2hr/13.8V/12.5V	\$75
GV-5-Li	LiFePO/12V	65W	27V	Batt V + 1V	5A	4.5x2.2x1	2.8oz	14.2V Constant V	\$99
GV-10-Pb	Lead/12V	140W	34V	Batt V + 2V	10.5A	5.5x2.5x1.4	6.5oz	Sealed 14.3V/14.1V-2.5hrs/13.7V/12.5V Flooded 14.6V/14.4V-2.5hrs/13.5V/12.5V	\$100
GV-10-Pb-FF	Lead/12V	140W	34V	Batt V + 2V	10.5A	5.5x2.5x1.4	6.5oz	14.4V/14.2V-2.5hrs/13.4V/12.5V	\$109
GV-10-OPE-Li3	OPE-Li3/12V	140W	34V	Batt V + 2V	10.5A	5.5x2.5x1.4	6.5oz	14.5V/14.2V/13.4V/13.2V	\$175
GV-10-Li-CV	Li/customV	140W	34V	Batt V + 2V	10.5A	5.5x2.5x1.4	6.5oz	Custom	\$175

MPPT Boost if solar panel V is less than battery V

MPPT Boost	Battery Chemistry/Voltage	Max Panel Power	Max Panel V(Voc)	Max Input Current	L x W x H (in)	Weight	Charge algorithm Bulk/Absorption/ Float/Reset	Price
GVB-8-12-Pb	Lead/12V	105W	63V	8A	5.5x2.5x1.4	6.5oz	14.4V/14.2V/13.8V/12.5V	\$119
GVB-8-12-Pb-FF	Lead/12V	105W	63V	8A	5.5x2.5x1.4	6.5oz	14.4V/14.2V/13.4V/12.5V	\$130
GVB-8-24-Pb	Lead/ 24V	210W	63V	8A	5.5x2.5x1.4	6.5oz	28.8V/28.4V/27.6V/25V	\$160
GVB-8-24-Pb-FF	Lead/ 24V	210W	63V	8A	5.5x2.5x1.4	6.5oz	28.8V/28.4V/26.8V/25V	\$180
GVB-8-36-Pb	Lead/ 36V	325W	63V	8A	5.5x2.5x1.4	6.5oz	43.2V/42.6V/41.4V/36.5V	\$160
GVB-8-48-Pb	Lead/ 48V	350W	63V	8A	5.5x2.5x1.4	6.5oz	57.6V/56.8V/55.2V/50V	\$160
GVB-8-OPE-Li3-12V	OPE-Li3/12V	105W	63V	8A	5.5x2.5x1.4	6.5oz	14.5V/14.2V/13.4V/13.2V	\$250
GVB-8-OPE-Li3-24V	OPE-Li3/24V	210W	63V	8A	5.5x2.5x1.4	6.5oz	29V/28.4V/26.8V/26.5V	\$250
GVB-8-Li-CV	Li/customV	varies	63V	8A	5.5x2.5x1.4	6.5oz	Custom	\$250

Optional remote display for Genasun & Victron Controllers



Coastal "Watt Wizard" \$99

Any small/medium DC charging source (solar, wind, hydro, etc.) or loads (refrigeration, water maker, instruments, etc.) can be monitored for instantaneous volts, amps, and watts, plus accumulative amp/hours and run time.



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\*\*\*prices subject to change without notice\*\*\*

Update 9/27/19



- 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(Voc)	Min Panel V(Vmp)	Max Output I	LxWxH (in)	Weight	Digital Display?	Price
SB1524iX	Lead 12V/24V, programmable for Li	12V/270W 24V/400W	45.6V	Batt V + 0.2V	20A/12V 15A/24V	5.5x5.5x5.7	21oz	No	\$165
SB2512iX	Lead/12V Programmable for Li	340W	40V	Batt V + 0.2V	25A	5.5x5.5x2.75	21oz	No	\$195
SB3000i	Lead/12V, programmable for Li	400W	40V	Batt V + 0.2V	30A	6.3x4.7x2.4	24oz	Yes	\$260
SB3024iL	Lead 12V/24V Programmable for Li	12V/540W 24V/800W	45.6V	Batt V + 0.2V	40A/12V 30A/24V	6.7x6.7x3.1	80oz	no	\$310
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								\$80
IPNPRO	Remote Display compatible w/ SB3000i & SB3024iL, combines charge controller and battery system monitoring. Includes amp-hour counting battery capacity display.								\$170



- 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(Voc)	Min Panel V(Vmp)	Max Output I	PM Consump.	LxWxH (in)	Weight	Price
WMARINE 10	Lead or Li 12V/24V autodetect	12V/120W 24V/220W	40V	N/A	10A	12.7mA 17.7mA	5.9x5.1x2	18oz	\$175
WRM15 dual batt	Lead or Li 12V/24V autodetect With RS485	12V/250W 24V/500W	100V	Batt V + 2.5V	15A	12.7mA 17.7mA	5.9x5.1x2	18oz	\$300 Special Order
WRM15 dual batt E Bluetooth	Lead or Li 12V/24V autodetect	12V/250W 24V/500W	100V	Batt V + 2.5V	15A	12.7mA 17.7mA	5.9x5.1x2	18oz	\$270 Special Order
WRM20	Lead or Li 12V/24V autodetect	12V/310W 24V/620W	100V	Batt V + 2.5V	20A	12.7mA 17.7mA	5.9x5.1x2	18oz	\$176
WRM20+	Lead or Li 12V/24V autodetect With RS485 port	12V/310W 24V/620W	100V	Batt V + 2.5V	20A	12.7mA 17.7mA	5.9x5.1x2	18oz	\$200 Special Order
WRM30+	Lead or Li 12V/24V/48V autodet. RS485 port	12V/225W 24V/450W 48V/900W	180V	Batt V + 2.5V	30A	34mA 21mA 12mA	10.6x7x3. 3	70oz	\$400



- Very fast MPPT algorithm
- Small and efficient
- Available with built-in Bluetooth capability (30'-40' range- line of sight)

Product#	Battery Chemistry/ Voltage	Max Panel Power	Max Panel V(Voc)	Min Panel V(Vmp)	Max Output I	LxWxH (cm)	Weight	Price	Price w/ Bluetooth
Blue Solar 75/15	Lead or Li 12V/24V autodetect	12V/200W 24V/400W	75V	Batt V +5V	15A	4x4.5x1.6	17oz	\$104	\$139
Blue Solar 100/30	Lead or Li 12V/24V autodetect	12V/440W 24V/880W	100V	Batt V +5V	30A	5.1x7.3x2.8	40oz	\$231	\$266
Blue Solar 100/50	Lead or Li 12V/24V	12V/700W 24V/1400W	100V	Batt V +5V	50A	5.1x7.3x2.8	40oz	\$347	\$381
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	n/a
Smart Batt. Sense	Bluetooth enabled battery temperature and voltage sensor for communication with Smart MPPTs for temperature compensation							\$46	n/a
Bluetooth Dongle	Bluetooth adapter enabling programming & monitoring of Victron Solar controllers through smartphone or tablet							\$58	n/a

