

## Industry Leaders In Mppt Solar Charge Controllers

Solar Boost Charge controllers are used worldwide to provide power in battery based or off-grid systems. Used in a variety of applications from RV, marine, homes, and remote cabins to industrial and commercial. We have products for solar lighting, wind, hydro, telecom, portable solar, and security camera applications to name a few. Whatever the industry, Solar Boost products are selected because of their proven reliability, consistant quality and affordable prices. NEW in 2009 is our SB3024iL DUO

Solar/Wind or Hydro option. We have combined the benefits of our MPPT Solar charging with Wind or Hydro diversion control all at the same time in the same controller. No longer do you need separate controllers for solar and wind/hydro. The SB3024iL DUO Option does is all!



**Pump Systems** 

More information can be found on our web site or contact us for more details. www.blueskyenergyinc.com



Marine & Recreational



Solar Lighting

Telcommunications



## Selector guide – Solar Boost™ Maximum Power Point Tracking (MPPT) Solar Charge Controllers & Accessories

Charge Controller	Nominal Battery Voltage	Nominal PV Input Voltage ①	Maximum PV Power② at Spec. Vbat	Maximum Output Current	Charge Algorithm	Digital Display	Remote Display Option	Load Control	Lighting Control	Agency Approvals	Typical Applications
Solar Boost 2000E	12V	12V	350W	25A	2-stage, plus Equalization	Yes	No	No	No	_	Small to medium 12V systems; RV's, boats, small off grid cabins & small industrial
Solar Boost 50L	12/24V	12/24V	700W (12V) 1400W (24V)	50A	3-stage, plus Equalization	Optional	Yes	No	No	ETL/cETL CE, FCC	Medium to large 12/24V systems; larger RV's & Boats, on or off grid homes & larger industrial
Solar Boost 3048L	24/48V	24/48V	800W (24V) 1600W (48V)	30A	3-stage, plus Equalization	Optional	Yes	No	No	ETL/cETL CE, FCC	Medium to large 24/48V systems; on or off grid homes, larger industrial & telecomm
Solar Boost 6024HL	12/24V	36/48V	800W (12V) 1600W (24V)	60A	3-stage, plus Equalization	Optional	Yes	No	No	ETL/cETL CE, FCC	Large 12/24V systems where higher 36/48V input is desired to reduce wire size/cost; large on or off grid homes & larger industrial
Solar Boost 3024iL	12/24V	12/24V	540W (12V) 800W (24V)	40A (12V) 30A (24V)	3-stage, plus Equalization	Optional	Yes	20A Voltage or AH based	Post-dusk & Pre-dawn timers	ETL/cETL CE, FCC	Medium 12/24V systems; RV's, boats, cabins & industrial. Aux. output for load control or 2 <sup>nd</sup> battery charge. IPN™ network coordinates multiple units for larger systems.
Solar Boost 1524iX	12/24V	12/24V	270W (12V) 400W (24V)	20A (12V) 15A (24V)	3-stage, plus Equalization	No	Yes	20A / 15A Voltage or AH based	Post-dusk & Pre-dawn timers	_	Smaller 12/24V systems; RV's, boats, cabins & industrial. Aux. output for load control or 2 <sup>nd</sup> battery charge. IPN™ network coordinates multiple units for larger systems.
Solar Boost 2512i	12V	12V	350W	25A	3-stage	No	Yes	No	No	_	Small to medium 12V systems; RV's, boats, cabins & industrial. Includes limited IPN network interface to support IPN displays.
Solar Boost 2512iX	12V	12V	350W	25A	3-stage, plus Equalization	No	Yes	25A Voltage or AH based	Post-dusk & Pre-dawn timers	_	Small to medium 12V systems; RV's, boats, cabins & industrial. Aux. output for load control or 2 <sup>nd</sup> battery charge. IPN™ network coordinates multiple units for larger systems.

② Approximate maximum PV power handling capability after applying National Electrical Code (NEC) 1.25 current derating. See Technical Bulletin 100214

Options &	Compatible Charge Controller	Agency	Typical Applications and Features
Accessories		Approvals	
SB50 Display	SB50L SB3048L, SB6024HL	ETL/cETL	Available installed in product enclosure (append 'D' to p/n) and/or as a remote charge control display. Provides simple display of Input/Output
		CE, FCC	current, Battery Voltage and Charge System Status.
IPN-ProRemote	SB3024i(L), SB2512i(X) SB1524iX &	ETL/cETL	Full featured remote display combines both charge controller monitoring/setup and complete battery system monitoring. Includes highly
	future IPN based charge controllers	CE, FCC	accurate "fuel gauge" type battery capacity display. The IPN-ProRemote can monitor up to 8 IPN based charge controllers.
IPN-Remote	SB3024i(L), SB2512i(X) SB1524iX &	ETL/cETL	Low cost remote display provides a simple Battery Voltage and Solar Charge Current display for IPN base charge controllers. The IPN-Remote
	future IPN based charge controllers	CE, FCC	can monitor up to 8 charge controllers on the IPN network.
DUO-Option	SB3024i(L)	ETL/cETL	Converts 20 amp auxiliary output into separate diversion type charge controller. Provides both diversion control for wind//hydroelectric, and PV
		CE, FCC	MPPT in the same unit. Configurable for minimum or maximum possible power to the dump load. Available as factory option or field upgrade.
CBM4070	SB3024i(L), SB2512iX, SB1524iX	CE	External high current MOSFET switch Current Booster Module. Increases DC load current capability of SB3024i(L) and 2512iX to 70 amps for
			lighting or similar DC load applications. Increases SB3024i(L) DUO-Option diversion PWM current capability to 40 amps.
Battery Temperature	All Solar Boost charge controllers	ETL/cETL	Allows charge controller to automatically adjust charge voltage setpoints based on measured battery temperature.
Sensor		CE, FCC	