

Grid-Tie Inverters



Sunny Boy 2500

SMA America

Sunny Boy

The Sunny Boy line of inverters are applicable for 700W to 1 MW of PV grid-tie power. All have NEMA 4 powder-coated, stainless steel enclosures except the SB 3800U and SB 6000U which are NEMA 3R. A two-line backlit LCD display that provides comprehensive PV data is included. SB6000U models are configurable for 277, 240 and 208 Vac output and include a wall mount bracket. All SB models



Sunny Boy 6000

include 1 Amp GFDI fuse. SMA offers two ways to track, store, transmit, display and manage solar energy system use. The Sunny Beam is a wireless system monitor providing daily, current and overall energy yields, storing a month's worth of production information for up to 4 inverters. Able to monitor up to 50 inverters, the Sunny WebBox allows the operating data to be logged and transmitted via modem or Ethernet to the web or directly to your PC. It can also send data to SMA's internet portal for long-term data storage and display. All models listed to UL 1741, CE certified and comply with FCC part 15 A&B. Five-year warranty with an option to extend for an additional five years.

Model	Efficiency CEC %	DC Input Voltage	Continuous Power Watts CEC	AC Output Volts	Dimensions in.	Weight lb.
SWR 700U SBD*	91.5%	125/100/75	696	120	12.7 x 12.6 x 7.1	55
SB 1100U SBD	91.0%	129-400	1100	240	12.7 x 12.6 x 7.1	55
SB 1800U SBD	91.5%	156-400	1800	120	17.1 x 11.6 x 8.4	69
SWR 2100U SBD	93%	235-480	2100	240	17.1 x 11.6 x 8.4	73
SB 2500U SBD	93.0%	250-600	2500	240	17.1 x 11.6 x 8.4	73
SWR 2500U 208 SBD	92.5%	250-600	2100	208	17.1 x 11.6 x 8.4	73
SB 3800U	94/94.5%	180-500	3500/3800	208/240	17.8 x 13.8 x 9.3	98
SB 6000U	94.5%	234-600	5200/6000/6000	208/240/277	19.7 x 17.7 x 9.8	137

* This model has an adjustable DC input voltage window.

Accessory Equipment

LCD Display	For 1800U and 2500U inverters (retrofits into inverter)		
Sunny Breeze	Fan kit for 1800U & 2500U inverters (may be used indoors or outdoors when natural air flow is minimal)	4.5 x 4.2 x 2.7	2.0
SBSL	Cover lid for 1800U & 2500U w/ LCD display window		5.0
SB RS-232-N	RS-232 Module for use in Sunny Boy inverters		1.0
SB RS-485-N	RS-485 Module for use in Sunny Boy inverters		1.0
SB 232 SERV	Sunny Boy PC Service cable		1.0
SB NLM-N	Power Line Carrier Module for use in Sunny Boy Inverters		

Monitoring and Data Collection Equipment

SBC-485	Sunny Boy Control with RS-485 communication card		6.0
SBC Plus-485	Sunny Boy Control Plus w/ RS-485 communication card		6.0
SBC Plus-485 w/Ethernet	Sunny Boy Control Plus w/ Ethernet communication card		6.0
RS232 Cable	RS232 Communication Cable, 15 meter		2.0
RS485 Cable	RS485 Communication Cable, 15 meter		2.0
Sunny Beam	Wireless System Monitor		3.5
Sunny Beam Antenna	Includes mount, coax and comm. board		1.0
Sunny WebBox	Web enabled data logger and control		



SMA Sunny Central

The Sunny Central

The Sunny Central is rated for 125 kW AT 45°C. The AC system isolation transformer is incorporated into the inverter cabinet and is disconnected whenever the inverter is not producing power. This eliminates the unnecessary and costly power losses found in other central PV inverters. The powder coated, stainless steel and aluminum enclosure is NEMA 3R rated. AC and DC disconnects are integral and included as standard equipment. Sunny Boy Control Plus data acquisition system included as user interface. Listed to UL 1741 and FCC Part 15. Five-year warranty with option to extend for additional five years. Call SunWize for pricing on this product line.

Model	Efficiency CEC %	DC Input Voltage	Continuous Power Watts CEC	AC Output Volts	Dimensions in.	Weight lb.
SC125U	94	275-600	125,000	480	97 x 71 x 24	3307