

Sunny Boy SB7.7-1SP-US-41 by SMA



Price: CAD \$3,099.00

SKU: SMASB77-1SP-US-41

Product Categories: [String Inverters: 3-9kW](#), [Inverters](#), [Shop](#)

Product Tags: [canada](#), [sb7.7-1sp-us](#), [sb7.7-1sp-us-41](#), [sma](#), [sma 7.7kw](#), [sma canada](#), [string inverter](#), [sunny boy 7.7](#), [sunny boy canada](#)

Product Page:

<https://www.modernoutpost.com/product/sunny-boy-sb7-7-1sp-us-41-by-sma/>

Product Summary

The Sunny Boy SB7.7-1SP-US-41 by SMA is an advanced grid-tie PV string inverter with features that make it the leading choice for residential and commercial solar power systems. At 7.7kW, it is ideally suited to solar arrays in the 8-10kW range, or multiples. The innovative SPS or 'Secure Power Supply' feature provides power from the roof to a dedicated outlet even when the system is disconnected from the grid

during an outage - something no other string inverter does. A practical level of back-up power security without the expense.

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The Sunny Boy brings more value-added features to your solar installation including...

ShadeFix

SMA's outstanding ShadeFix optimization offers superior string-level optimization. No more DC optimizers! This means lower system cost, and maximum reliability.

SunSpec RSD

SunSpec Certified rapid shutdown technology is the simplest way to achieve code compliance.

Wide MPPT Input Voltage Range

This provides latitude for both optimization, and for array layout.

Triple MPPT Input

3 strings for flexible array configurations

Advanced AFCI

Compliant to new Standard UL 1699B Ed.1 for arc fault protection – delivering improved safety and reliability while allowing for automatic resetting

Secure Power Output

All PV inverters must disconnect from the grid for safety during a power outage, but your Sunny Boy solar array can keep powering a dedicated outlet direct from the inverter! A fantastic emergency back-up power option for any home. Use the outlet

to directly power loads during the day such as a fridge, or use the energy to charge a battery pack like the Yeti 1500X, Yeti 3000X, or Socrates 1200 for stable power anytime, day or night!

Sunny Boy SB7.7-1SP-US-41 Specifications

Power Output: 7.7kW

AC Voltage : 240V

DC Voltage : 600V

Peak Efficiency : 97.5%

CEC Efficiency : 97%

Maximum DC Input Voltage : 600V

Maximum Short Circuit DC Input Current : 3x18A

Maximum Operation DC Input Current : 3x10A

Number of MPPT Inputs : 3

MPP operating voltage window : 100-550V

Rated MPP voltage window for nameplate output power : 270-480V

Connectivity/Monitoring : Ethernet/WIFI

Product Attributes

- Dimensions: 1 × 1 × 1 cm
- Weight: 20 kg