



SOLAR STIK®

Solar Stik 100 Lite

12 VDC Item # 19-0101001

Overview

Powerful

The Solar Stik 100 Lite is a portable 12 VDC solar generator that can generate up to 1.0 kWh of daily energy from (2) 50 W solar panels with only three simple, manual adjustments. This unique, two-axis, adjustable design can increase energy generation by up to 30%.

Portable

The Solar Stik 100 Lite is the lightest and most compact design in the Solar Stik product line. Setup requires only one person and is easily completed in under 5 minutes. The Solar Stik 100 Lite transports in a high-quality padded soft case.

Scalable

The Lite can also be daisy-chained with another Solar Stik Lite when you need to generate more power. You can daisy-chain as many Solar Stik Lites as you may need.



Features

- Up to 1.0 kWh of daily energy generation
- Portable and lightweight
- Two axes of panel rotation
- Two-case transport
- Plug & Play





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General

Operating Voltage	12 VDC
Construction	T6061 brushed aluminum / 304-316 stainless steel
Ground Securing	(6) 10 in (25.4 cm) steel peg stakes (1) Rubber mallet (1) Transport pouch
Warranty	1-year materials and workmanship

Solar Panel

Maximum Power (Pmax)	100 watts (50 watts per panel)
Cell Type	Monocrystalline
Construction	High-transmission 3 mm (1/8 in) tempered glass
Frame	Clear, anodized, aluminum alloy type 6063T6 universal frame
Dimensions	33 x 21.1 x 1.97 (83.8 x 53.6 x 5 cm) Single panel
Axis of Movement	Axis 1 - Panels rotate on horizontal axis for maximum sun exposure. Axis 2 - Mast rotates on vertical axis for maximum sun exposure.

Connections

Solar Output	(2) Polarized, weatherproof solar power receptacles (twist lock)
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Environmental

Temperature Cycling Range	-40 °C to +85 °C (-40 °F to +185 °F)
Humidity Freeze, Damp Heat	85 °C and 85% relative humidity
Static Load Front/Back (e.g., wind)	50 psf (2400 Pa)
Front Loading (e.g., snow)	112 psf (5400 Pa)
Wind Threshold	60 mph with proper ground securing
Hailstone impact	1 in (25.4 mm) at 52 mph (23 m/s)

Weights and Dimensions

Assembled Height	41 in (104.14 cm) with panels level 50 in (127 cm) with panel vertical
Assembled Weight	50 lb (22.7 kg)
Transport Weight	60 lb (27.2 kg)
Transport Case	(1) Soft transport case for mast / (1) Soft transport case for panels DOT-approved for land, sea, and air transport

Includes

- (1) Solar Stik 100 Lite
- (1) 25 ft Solar Leash (Lite)
- (1) Soft transport case for mast
- (1) Soft transport case for solar panels
- (1) Transport pouch
- (1) Rubber mallet
- (6) 10-inch steel peg stakes

