



SOLAR STIK®

Category: Power Generation

Solar Liberty 660W Kit

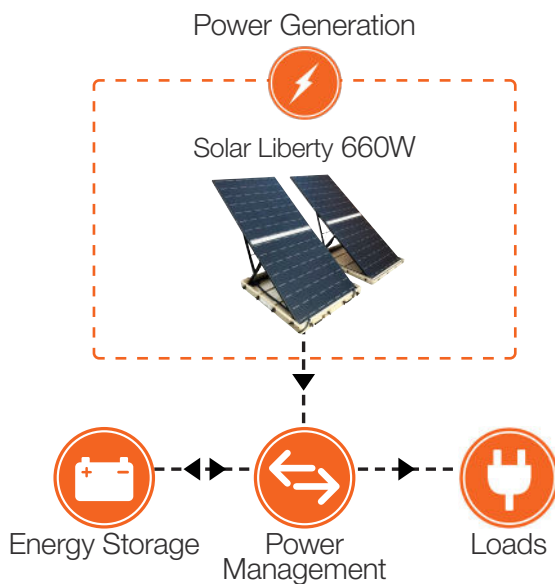
Item # 19-1000050

A Case for Solar

No assembly is required for the Solar Liberty 660W. The transport case for the 660-watt photovoltaic (PV) array uses a case-integrated racking system, allowing panels to be deployed by one person in less than 4 minutes. The portable PV array can be scaled quickly by connecting multiple arrays to meet power generation requirements. Its molded, compact case is designed for stacking multiple cases for transport.

How the Solar Liberty Works

Sunlight is collected by the portable array's high-efficiency PV panels. Solar energy is funneled through a power manager for storage in batteries and/or to power the load.



Features

- ~6.47 kWh daily power generation*
- Simplified design for easy deployment and stowage
- Four 165 W lightweight military grade non-glass solar panels built with leading edge technology
- SunPower Gen 3 solar cells minimize power loss when shaded
- Blocking diode provides reverse polarity protection
- Rugged, waterproof case with integrated solar racking
- 2-Person lift
- Maximum power with minimum deployed footprint (<2.5 ft)
- Efficient transport with up to 8 arrays stacked on a standard pallet
- Designed to MIL-STD-810H
- Designed to handle wind threshold of up to 70 MPH in any direction
- Minimum glare and built with corrosion resistant materials

**Based on five peak hours of solar irradiance*



© 2024 Solar Stik, Inc.
All Rights Reserved. Solar Stik is a registered trademark of Solar Stik, Inc.

SS20241127, Rev A

800.793.4364
tech@solarstik.com
www.solarstik.com



SOLAR STIK®

Category: Power Generation

Solar Liberty 660W Kit

Item # 19-1000050

General

Frame Construction	Rugged transport case with integrated rack and solar panels
Deployment Angle	35°
Solar Panel Construction	Foldable with ETFE/TPU/EVA coating and fiberglass backing
Ground Securing	Sandbags
Setup/Stowage Time	< 4 minutes
Certifications	<ul style="list-style-type: none"> Performance specs per AM 1.5 1000 W/m² CE compliant Berry Amendment Compliant
Warranty	1-year for materials and workmanship

Solar Array Performance @ 77 °F (25 °C)

Array Configuration	2 series, 2 parallel (2S2P)*
Array Power (maximum)	660 W
Array Voltage (V _{mp})	57.8 V
Open Circuit Voltage (V _{oc})	69.4 VDC
Array Current (I _{mp})	11.2 A
Short Circuit Current (I _{sc})	12.2 A
Cell Type	Monocrystalline silicone cells

*1S4P configuration also available

Connections

Solar Panel Connectors	(4) MC4 male and (4) MC4 female
Solar Cable Connectors	(2) MC4 male and (2) MC4 female

Environmental

Operating Temperature	-40 °F to 185 °F (-40 °C to 85 °C)
Storage Temperature	-40 °F to 185 °F (-40 °C to 85 °C)
Intrusion Protection	IP67

Weights and Dimensions (L x W x H)

Transport Weight	96.0 lb (43.5 kg) with 30 ft solar cable (can be stored inside case)
Transport Dimensions	43.0 x 38.37 x 6.75 in (109.22 x 97.46 x 17.15 cm)
Assembled Dimensions**	~76.7 x 43.0 x 37.0 in (194.82 x 109.22 x 93.98 cm)

**Assembled dimensions can vary based on distance between panels

Includes:

- (1) Solar Liberty 660W (PN: 11-1000096)
 - (4) 165 W solar panels
 - (1) Transport case with straps and framings
- (1) Cable, Solar-Y, MC4(4)/Bayonet, 24VDC, 30', 6AWG (PN: 13-1000302)
- (16) Sandbag, 14" x 26", Tan, Berry Compliant (PN 12-1000007-T)

Recommended Components and Accessories



24VDC Power Hub 3500
Item # 20-0302206



Li BOS 2000
Item # 20-0205200
Item # 20-0205197
Item # 20-0205195

