

SUNWING 5x8

MOBILE SOLAR SYSTEM

The SunWing is a solar alternative to 10kw+ portable generators and larger solar trailers currently on the market. The SunWing is quicker to deploy, more cost effective, quieter, and involves less fuel logistics. These advantages are most relevant for job sites, telecommunications repair, community events, and outdoor filming. Every model features eight AC outlets (four inside and four outside), an external DC charging port, and MC4 connections for additional PV input. The additional covered space can be utilized as needed by the customer: mobile office space, tool storage, cooling stations and more!



A TRUSTED, FLEXIBLE, AND POWERFUL PORTABLE SOLAR SOLUTION



TRUSTED

SunWing s have been tested and used by Humbolt CA fire fighters for both fighting wildfires and community events. A SunWing deployed in Ft. Myers after Hurricane Ian to provide Connectivity to a remote community. You can trust the SunWing!



VARIABLE

Transportation and Power are combined in the SunWing. Both power supply and power needs are transported in one 5'x8' trailer frame.



MODULAR

Combine with NUE PowerPacs to build a dispersed power network; no more long-running extension chords or power loss.



POWERFUL

The SunWing's flexible solar panels are 30% lighter than glass panels but just as powerful; allowing for more battery capacity. SunTarp panels (included in the medium package) are connected to the system for additional solar input.



FLEXIBLE

Accessory options include community wifi, routers AC/DC freezer-fridges, cooling machines, remote monitoring, and storage shelving.



TOWABLE

This trailer can be towed by most pickup trucks and SUVs, unlike larger competitors. No need for a certified driver or high fuel costs.



EFFICIENT

Save time and money without the need to refuel large diesel generators during disaster response, music festivals, etc.



HOW IT CAN BE USED

- Emergency Response
- Events and Festivals
- Cold Storage
- Communications
- Worksites
- Off-grid Medical Facilities
- Command Centers
- Cooling Stations
- Community Wifi
- And More!



SUNWING 5x8

MOBILE SOLAR SYSTEM

No Sun? How long would the batteries last powering these configurations?

1260 Economy

1260 Premium

2520 Medium



Mobile Office (*2 Laptops, 1 SunFreeze, 1 Starlink System, 1 Window AC Unit, 1 TV, 1 Charge Locker)

Operating hours: 13 Hours



Mobile Office

Operating hours: 27 Hours



Mobile Office

Operating hours: 27 Hours



Telecomms Hub (*1 Starlink System, 2 laptops, 1 chargelocker, 1)

Operating hours: 40 Hours



Telecomms Hub

Operating hours: 25 Hours



Telecomms Hub

Operating hours: 38 Hours



Mobile Cooling Station (*4 fridges, 1 Window AC, 2 Fans)

Operating hours: 18 Hours



Mobile Cooling Station

Operating hours: 40 Hours



Mobile Cooling Station

Operating hours: 40 Hours



Heating Station (*2 heaters and 4 electric blankets)

Operating hours: 3 Hours



Heating Station

Operating hours: 7 Hours



Heating Station

Operating hours: 7 Hours



Construction Site (*10 Large Powertools continuous use)

Operating hours: 10 Hours



Construction Site

Operating hours: 22 Hours



Construction Site

Operating hours: 22 Hours



Outdoor Cooking Station (*per quoted estimate)

Operating hours: 24 Hours



Food Truck

Operating hours: 48 Hours



Food Truck

Operating hours: 48 Hours

NOTE: Actual appliance specs will vary based on make and model. Watts indicated are for steady-state operation. Some appliances have a brief initial surge upon starting but the **SunKits** are capable of handling this surge. Operating times are based on 85% of stated battery capacity.



SPECIFICATIONS

Sunwing 5x8	1260 Economy	1260 Premium	2520 Medium
120V AC Pure Sine Wave Inverter	4kW Continuous; Low Frequency	6kW Continuous; Low Frequency	6kW Continuous; Low Frequency
Battery Type	LIFEPO4		
Trailer Storage Capacity (kWh)	10	21.2	21.2
PV Input (kW)	1.26	1.26	2.5
Additional Package PV Components	Optional	Optional	3 420W Hexfold SunTarp Flexible Panels
Solar Charge Controller	40A MPPT, 150VDC MAX	40A MPPT, 150VDC MAX	40A MPPT, 150VDC MAX
AC Charger	Included	Included	Included
AC 120V Outlets	8	8	8
12V DC Outlets	Optional	Optional	Optional
Theft Prevention	Tow lock collar and rear padlocks included.		
Operating Temperature Range	32°F to 131°F (0°C to 55°C) *Inquire for cold weather upgrades		
Battery Cycle Life Estimates @DOD	6,000+ @80% DOD; 8,000+ @50% DOD	6,000+ @80% DOD; 8,000+ @50% DOD	6,000+ @80% DOD; 8,000+ @50% DOD
Maximum Trailer Weight	3000lbs (1360kg)	3000lbs (1360kg)	3000lbs (1360kg)
Overall Trailer Dimensions (HxWxD)	12' x 6'7" x 7'0" (3.7m x 1.9m x 2.1m)		
Warranty	2 year system warranty with extended warranty option, 1 year warranty on trailer, 5 year manufacturers warranty on batteries.		

Disclosures & Warnings

Flames or high heat are dangerous with Li-ion; do not use around flames or at temperatures higher than 131 °F (55C). Do not tow a Sunwing trailer with a vehicle not rated to tow the weight of the trailer. Do not increase the total weight of the trailer above 3000lbs. DO NOT disassemble the battery, inverter, or control panel. DO NOT use a battery with scar or deformation. DO NOT puncture or open battery cells. If batteries or panels are damaged, do not use- consult with a professional to ensure no danger exists.





PRODUCT IN USE

MOBILE SOLAR SYSTEM

