

SUNKIT

PORTABLE SOLAR GENERATOR

A **reliable, flexible** and **powerful** portable solar solution that brings affordable clean energy to anyone, anywhere.

RELIABLE

Power when you need it, without having to refuel

FLEXIBLE

Replace and upgrade every component for long-term value & connect to any commercial solar panel 500-2,000 Watts

POWERFUL

Power most 120v tool, appliance or device, while simultaneously charging from solar

PORTABLE, FAST SET-UP

Quick and easy to transport, set-up and take-down

SUSTAINABLE

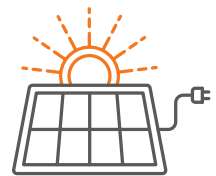
Upgradeable and repairable, can also utilize repurposed components, supporting a circular economy



The **SunKit** is a quick-to-deploy solar alternative to a small portable generator. Designed to use any commercial solar panel, it can accommodate an array of power inputs (1 to 6 panels) to allow a range of electrical loads. Built to last, every component of the **SunKit** can be swapped, upgraded or serviced in the field.

Uses:

- Emergency Response
- Residential Backup Power
- Communications
- Off-grid Medical Facilities
- Events
- Evacuation Centers
- Remote Locations
- Worksites
- RVs & more



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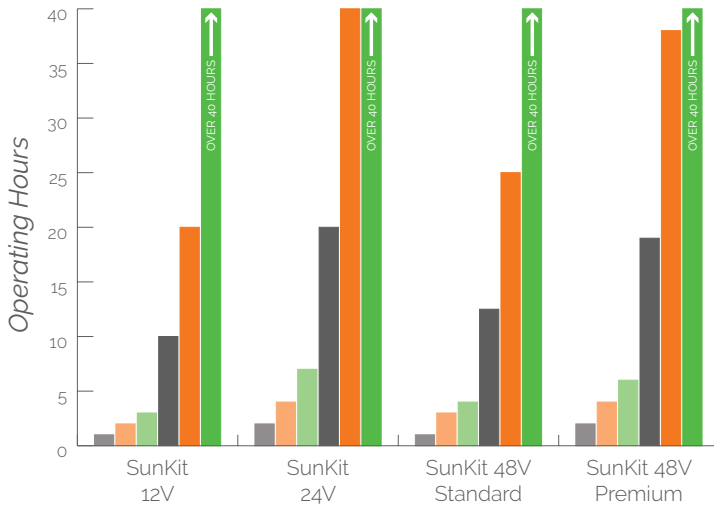
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WHAT DOES IT POWER?



- Cell Phone, Tablet or Power Tool Charger/ LED Bulb/Router
- Fiber Optic Splicer/LED TV/Small Fridge/ Laptop Charger
- CPAP/Desktop Computer/ Large Fridge
- 35L/Minute Water Pump/ 5,000 BTU Window A/C
- Reciprocating Saw/ Instant Pot
- Portable Induction Cooktop/ Toaster Oven

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

SunKit Version	SunKit 12V	SunKit 24V	SunKit 48V Standard	SunKit 48V Premium
120V AC Pure Sine Wave Inverter	1500W Continuous; High Frequency	2000W Continuous Low Frequency	2000W Continuous Low Frequency	2000W Continuous Low Frequency
Battery Type	LiFePO4	LiFePO4	LiFePO4	LiFePO4
Storage Capacity (kWh)	2.0	4.0	2.5	3.8
DC Nominal Voltage	12V	24V	51.2V	51.2V
20 Second Surge Rating	4000W	6000W	6000W	6000W
Idle Power Consumption (Power Saver Off/Power Saver On)	9.6W (No Power Saver)	26.5W / 12.2W	48W / 12.7W	48W / 12.7W
Solar Charge Controller	40A MPPT, 100VDC MAX	40A MPPT, 150VDC MAX	40A MPPT, 150VDC MAX	40A MPPT, 150VDC MAX
AC Charger	Optional	Included	Included	Included
12V DC Output	YES	Optional	Optional	Optional
PV Input Range	up to 520W DC (Max 100Voc)	up to 1,000W DC (Max 100Voc)	up to 2,000W DC (Max 100Voc)	up to 2,000W DC (Max 100Voc)
Battery Voltage Range (BMS Settings)	8.5V Low Voltage Shutdown; 14.8V Overcharge Protection	19.6V Low Voltage Shutdown; 29.2V Overcharge Protection	40.0V Low Voltage Shutdown; 58.4V Overcharge Protection	40.0V Low Voltage Shutdown; 58.4V Overcharge Protection
Storage Temperature Range	-4°F - +35°F (-20°C - +35°C)			
Operating Temperature Range	32°F - 131°F (0°C - 55°C)			
Environmental Relative Humidity Range	10 - 90%			
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	6,000+ @ 80% DOD; 8,000+ @50% DOD
Weight	160lbs (72.6kg) approx.	250lbs (113.4kg) approx.	210lbs (95kg) approx.	235lbs (106.6kg) approx.
SunKit Enclosure Dimensions (HxWxD)	45" x 27.625" x 14.25" (1143mm x 702mm x 362mm)			
Warranty	1-YEAR LIMITED MANUFACTURER'S WARRANTY			
Disclosures & Warnings	<p>Flames or high heat are dangerous with Li-ion; do not use around flames or at temperatures higher than 131°F (55C). SunKit enclosures should not be stored or used in direct sunlight. Enclosures should be shielded by panels and/or stored in shade.</p> <p>DO NOT disassemble the battery. DO NOT use a battery with scar or deformation. DO NOT puncture or open battery cells.</p> <p>If SunKit is dropped or damaged, do not use — consult with a professional to ensure no danger exists.</p> <p>*Prices, terms and specifications are subject to change at the sole discretion of New Use Energy.</p>			



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