

Portable Solar Power Generator

SPEC SHEET

Bringing Affordable, Reliable and Renewable Power to Remote Locations



OVERVIEW

Electrical power for locations not connected to the grid is now an affordable, achievable reality, thanks to Nextek Power Systems' Portable Solar Power Generator technology.

This simple solution, consisting of a deployable solar panel, battery charging station and charging controller, makes it possible to power homes and

small businesses anywhere, regardless of proximity to power utilities or other sources.

Our systems are already providing low-cost, reliable and renewable power to locations in Haiti. A variety of configurations are available to supply power to homes or more demanding uses such as businesses.

STAR: Stationary or Transportable Available Resource

HOW STAR TECHNOLOGY WORKS:

The solar panel charges the battery station during the day. Home battery kits can be charged day or night from the power stored in the station batteries, and then transported to the user's location. Each battery kit operates two lamps and powers or charges home electronics.



POWER PLANT

- Turnkey solution with rapid solar deployment and setup, with virtually no assembly or training required.
- Modular steel frame maximizes available configurations.
- Frame is designed for uncrated shipping and maximum quantity per container.
- Onboard peak power point tracking and load management
- 20 charging ports, providing a 4-hour recharge time for battery kits

BATTERY KIT

- Durable portable battery housing, 6.4kg
- On board LED flashlight with switch
- Battery charge indicator
- Two 12 VDC Outlets
- One USB 5V Outlet

HOME LIGHTING KIT

- Two 50,000-hr LED Lamps
- Two surface mount sockets with pull chain switches
- DC male plug with 9 meters of wire

CONTACT NEXTEK

Find out more about the STAR portable solar power generator.

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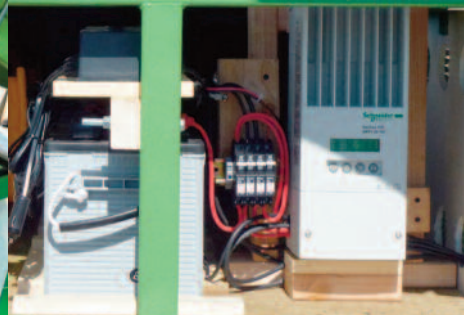
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Solar generator deployed



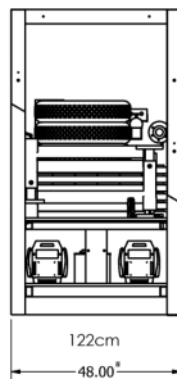
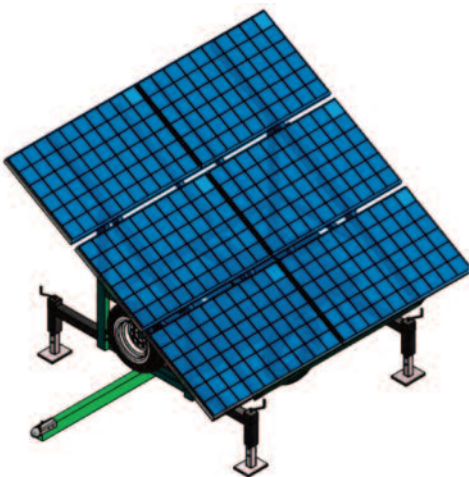
Station batteries



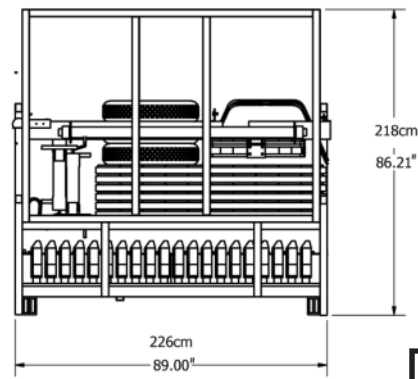
Charging controller, station batteries and breakers/switches

STAR TRAILER CONFIGURATIONS:

Model	STAR™ 1	STAR™ 2	STAR™ 3	STAR™ 4	STAR™ 5
Description	Standard	Limited	Lite	Heavy Duty	Fixed
Solar Panels	6	4	4 or 6	9 to 12	9 to 12
System Capacity (Watts)	1500	1000	up to 1500	up to 3000	up to 3000
Station Batteries	4	3	3 or 4	≤ 16	≤ 16
Storage Capacity (kWh)	10,080	7,560	up to 10,080	up to 30,240	up to 30,240
Home battery kits	80	40	up to 80	custom	0
Home lighting kits	80	40	up to 80	custom	0
Home kit charging positions	20	10	up to 20	custom	0
Weight (lbs)	4500	2750	1750	6500	6500
Trailer capacity (lbs)	5200	3500	n/a	10,400	n/a
Trailer brakes	yes	optional	n/a	yes	n/a
Qty per 40 ft Hi-cube	8-9	8-9	36	7	7
Notes	All 80 home kits fit inside the crate.	Additional home kits sold/shipped separately.	Designed to be hand-carried to site. Components shipped separately. On-site assembly required.	Heavy duty design can function as both home charging kit and base station.	Fixed installation for building loads: clinic, school, library, police station, cell tower, computer center, etc.



(packed size)



Charging station dimensions

