

What Will A SunRun System Run?

What Do kiloWatt-Hours Mean To Me?

The stored power may be used either:

1) from fully-charged until recharge required – Between full recharges (5hrs when using 4 panels), each system can offer its useable 2kWh plus about 250W per pair of panels for each hour of bright sun with panels connected, or

2) budgeted for a sustainable daily rate – Sustainable daily power assumes 6 hours bright sun per day with panels connected.

For perspective, an average American home consumes 30kWh daily.

Sample applications below are for Medium systems (one or two main units and four solar panels total) allowing for:

1) 5-7kWh before recharge or

2) 3kWh daily (10% avg American home). (A Small system offers roughly 5% avg American home and a Large system 20%)

Example Applications and Run Times

| <u>Humanitarian Aid: Disaster Relief/Recovery, Developing Country</u> | <u>Preparedness, Rural Electrification: Power When/Where No Grid</u> | <u>Recreation/Outdoors: Cabins, RVs, Events, Hobby Farms, Scooters</u> | <u>Commercial: Tools, Agribusiness, Workshop, Site Power, Stewardship</u> | <u>Eco-Conscious: Green, Entry-Level Solar, Self- Consumption, Peaks</u> |
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| <p>1) Storm Cleanup or Construction Site: 1200W power tool(s) for 5 hours total with 10 hours of 10-10W LED spotlights</p> <p>2) No Power (Ex: Health Clinic, Remote Location, Disaster): A small fridge (55W) and a ceiling fan on low (35W) 24hrs/day. Four 3W LEDs for 8 hours. Laptop, TV, microwave and/or phone charging for 5 hours</p> | <p>1) 2-Day Power Outage: Refrigerator/Freezer (75W) and two ceiling fans on low (35W) 24hrs/day. Eight 3W LEDs for 10 hours. Computer, TV, coffee maker, microwave, crock pot, phone charger...</p> <p>2) Unreliable Grid: Business Continuity like “No Power” at left or as in “Daily” at right while awaiting emergency backup role</p> | <p>1a) Recharge Ship Batteries: 5kW for 1.4 hours</p> <p>1b) Weekend Cabin: refrigerator/freezer, fan, coffee maker, crock pot, microwave, TV, stereo, phone charging, lights...</p> <p>2) Hobby Farm: pumps, fans and LED grow lights or Tiny Home similar to Cabin above or Eco-Tourism applications or 125W average every hour</p> | <p>1) Similar to Storm Cleanup, Construction Site at left. Also, like Ship Batteries, AAA for “out of gas” electric vehicles</p> <p>2a) Outbuilding or Workshop: compressor, lights, tools at 375W average each 8-hour workday</p> <p>2b) Fish Farm: circulation pumps dependent on HP</p> | <p>1) Several Non-Daily Appliances: 300W clothes washer (6 loads), 800W vacuum for 2 hours, 1500W electric scooter, and 1 hr of electric lawnmower</p> <p>2) Daily: 3/4HP well pump 1-2 hours per day and standard fridge or 1000W pool pump for 3 hrs/day or Similar to “No Power” at left</p> |