Who, Why and How? Example Applications

Humanitarian Aid: Disaster Relief/Recovery, Developing Country

- Disaster/Emergency – water pumping, lights, refrigerators, power tools, fans, communications, health clinic, storm clean up
- None or unreliable grid
- Decreased oil dependence

Preparedness, Rural Electrification: Power When/Where No Grid

- Power outages (infrequent or daily) or no grid – fridge/freezer, lights, fans, microwave, office equipment, laptop, business continuity, phone, ¾ HP well pump
- Use daily while awaiting backup role

*Stored power may be used either until recharge required or it may be budgeted for a sustainable daily rate.

- Between full recharges (5 hrs using 2 pairs of panels), each system can offer its useable 2kWh plus about 250W per pair of panels for each hour of bright sun.
- Sustainable daily power assumes 6 hours bright sun per day with panels connected.
- Average American home consumes 30kWh daily so 1.5kWh = 5%, 3kWh = 10%, 6kWh = 20% of average.

Recreation/Outdoors: Cabins, RVs, Events, Hobby Farms, Scooters

- Blender, crock pot, TV, fans, lights, phone charging

- Tiny homes, remote sites, outbuildings, barns
- See Preparedness
- Recharge onboard batteries, nighttime ops

Commercial: Tools, Agribusiness, Workshop, Site Power, Stewardship

- Small construction site
- "Green" business initiatives
- Portable gas generator alternative

- Water/circulation pumps, compressors, fish farms, grow lights, film industry, eco-tourism, AAA for electric vehicles

Eco-Conscious: Green, Entry-Level Solar, Self-Consumption, Peaks

- Reduced grid usage, dedicate to appliance(s)
- Use during peaks

- Always available for backup role

- Increased grid independence

Models are named by inverter voltage output. Sizes are based on how they are linked to each other and/or to solar panels.

Small (Standard) – 3kWh with sun before recharge or 1.5kWh daily*

Main unit with two solar panels

Medium – 5-7kWh with sun before recharge or 3kWh daily*

One Small system with an additional pair of panels or two Small linked systems (four panels total)

Large – 10kWh with sun before recharge or 6kWh daily*

Two linked Medium systems of two units, each with additional pair of solar panels (eight panels total)

What Will A SunRunr Run?

The high-Watt-output inverter can run many appliances at once (e.g. fridge, lights, fan), but a SunRunr stands out by running high inrush/surge devices such as well pumps and power tools.

What are the System Specifications?

Energy Generation

- Two 145W (26”x59”, 30lb each) hinged, stand-alone Kyocera solar panels and cable
- Racks available

- Digital solar charge controller
- Pre-wired auxiliary portal for optional alternate sources such as wind or water turbine, grid, or more solar

Energy Storage

- 245Ah, 12VDC maintenance-free, long life, deep-cycle AGM battery

Energy Output

- 3.5kW (10kW surge) inverter
- 110, 220, or 240 VAC; 50 or 60 Hz
- Standard or Universal outlets

System

- Steel chassis, rugged handles, easy-roll casters, 28”x15”x30”, 260lbs
- Ships by freight

“It is so reassuring knowing that as long as the sun shines, come hurricanes or grid outages, I will still be able to have power for the most important things.” – Wanda, customer of Alternative Energy, Inc, PA

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How Does A SunRunr Work?

Once charged, simply plug in electrical devices and turn the master switch on for clean, silent power. Recharging during use will increase run times.

When? Use daily, during outages, at night, during utility peaks, anytime!

Where? Use indoors, on your truck, off-grid locations, at point of consumption, anywhere!

POWERFUL: Runs larger loads and longer durations.
SIMPLE: Plug and play. No installation or grid required.
CLEAN: No fossil fuel, noise, associated dangers or emissions.
BUILT TO LAST: An investment in sustainability. Field-serviceable.
QUALITY: Components. Customer Service. Made in USA. Qualifies for US Federal tax credit. **30%**

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Away from grid?
Blackout?
Want alternative to gas generator or rooftop solar installation?

Plug into clean, silent power with a SunRunr solar-plus-storage generator system