

Solar Solutions Catalogue



Solar Power Company

We are a power company first. Without power not much can be achieved. Resilient Solar delivers power at locations MAINS(AC) are not or are cost prohibitive.

We enhance power with:

- Wireless Internet – Cellular or Satellite
- DC Lighting – our 60W & 100W Lamps shine like no other
- Voice & Access Control – Intercom/Remote Access 
- Video - Streaming or Video Surveillance 
- Your imagination...

Wireless Internet

Starlink works everywhere with a clear view of the sky. However, with our cellular partner Granite we have been able to outperform Starlink even in rural areas.



With Granite's Multi-Carrier SIM, you can access all Tier 1 and Tier 2 carriers' data networks in the USA from a single SIM card on your smartphone, tablet or data device. This technology ensures continuous connectivity by intelligently roaming to find the strongest signal anywhere, regardless of the carrier.



DC Lighting

Our off-grid lighting solutions are employed across some significant markets:

- Enhancement for Security Applications
- Lighting Marquee signs for HOAs, Restaurants and Marinas
- Boat Ramps and Docks
- Sheds & Barns
- Rural Emergency Services
- Disaster Recovery
- Replacement for aging infrastructure



Our Light Pole Solutions

Three product lines to meet every off-grid lighting need

Light Duty

Up to 16 ft

 90 MPH Rated

Single or double lamp head for distributed lighting applications



Quad Head Lite

18' 4"

 90 MPH Rated

Quad lamp head configuration for broader coverage



Heavy Duty Pole

18' 8"

 120 MPH Rated

Supports up to 25 lbs payload — cameras, sensors, cellular modems

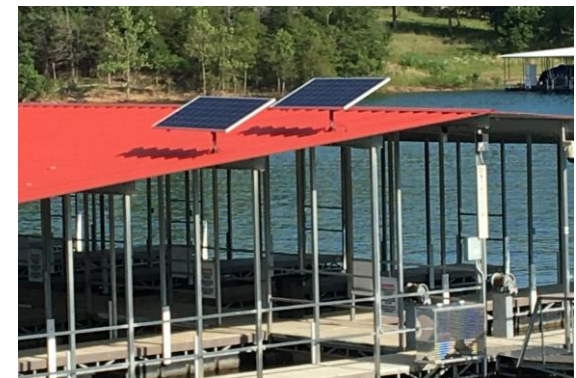


All poles fold for storm stowage — rapid deployment and protection when you need it

Dock & Pergola Solar

Resilient Solar delivers tailor-made solutions to best meet your needs. We deliver power anywhere and can power anything.

- Boat | PWC Lifts – DC motor replacement
- DC Lighting – rail, under dock lighting or light poles.
- Extend your Wi-Fi network to your dock
- Video Cameras & Security
- We offer  **ALARM.COM** products



Dock, Shed & Barn Lighting Solutions

Three product tiers to meet every off-grid lighting need

Light Duty

3-5 Hours Run Time



**40W White Light
130W PV**

12V System Can Operate 40W of Lighting and provide pass thru charging for a portable power station.



Overnight

12-14 Hours Run Time



**40-100W White Light
100-300W PV**

24V System Can Operate 40 to 100W of Lighting and provide pass thru charging for a portable power station.



Continuous Duty

**Sized for your
application**

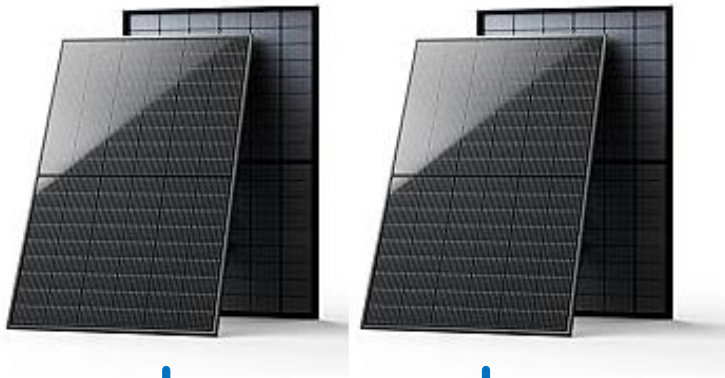
Engineered System

48V Systems Engineered for off grid. Layered Micro Grid power to ensure continuous operation. Innovation in power delivery and resiliency.

Rapid Deployment, drop in kits save time and deliver dependable power. Ask about our professional installation service.



We can do simple - Portable Power Bank Solutions have become widespread and are utilized to simplify solar systems. These provide a simple and cost-effective way to get into off grid power.



1600W PV Array

Load Center/Plug Pigtail
into Power Bank



62VDC

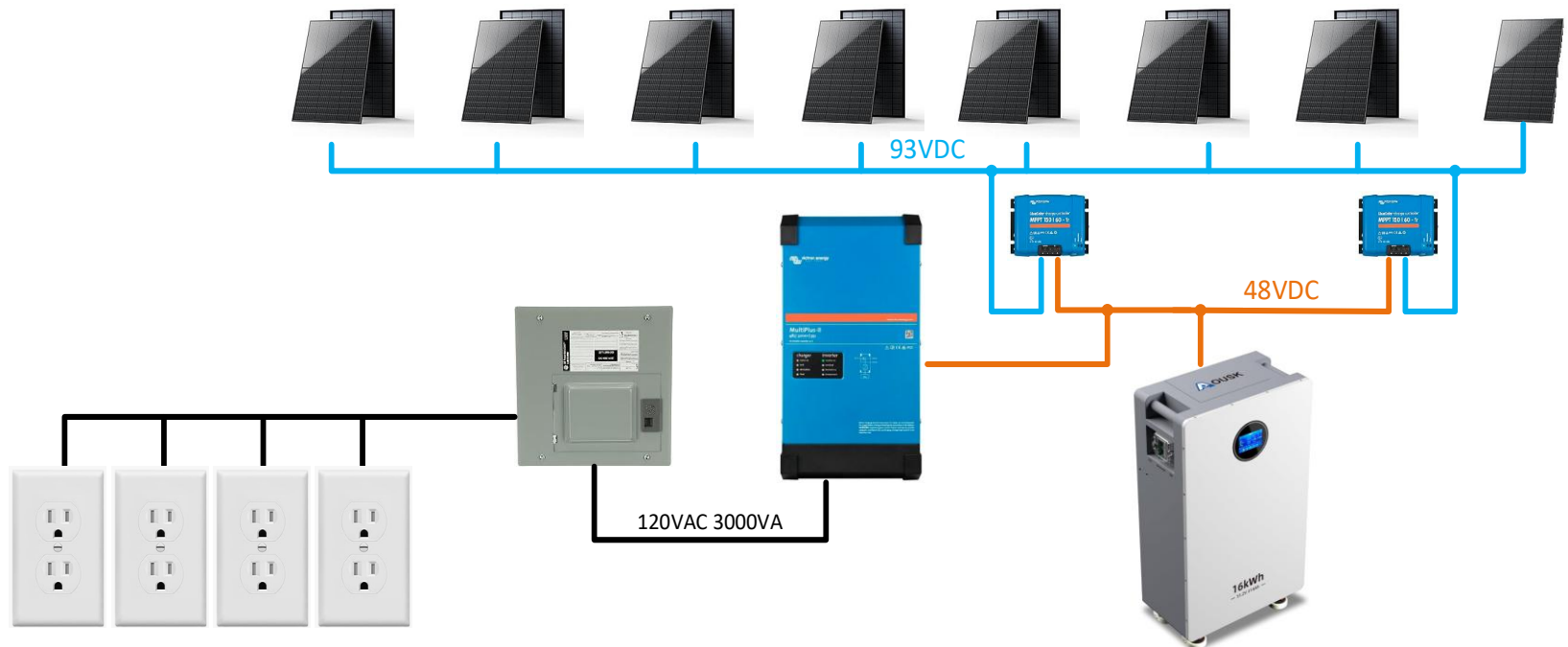




Appliance & Estimated Watts 	E600LFP (614Wh)	F1000LFP (960Wh)	E1000LFP (1024Wh)	E2400LFP (2048Wh)	F3000 / E3600 (3072Wh)
Phone / Tablet (10W)	~52 Hours	~81 Hours	~87 Hours	~174 Hours	~261 Hours
CPAP Machine (40W)	~13 Hours	~20 Hours	~21 Hours	~43 Hours	~65 Hours
Laptop (60W)	~8.7 Hours	~13.6 Hours	~14.5 Hours	~29 Hours	~43.5 Hours
LED TV (100W)	~5.2 Hours	~8.1 Hours	~8.7 Hours	~17.4 Hours	~26.1 Hours
Mini Fridge (150W)	~3.5 Hours	~5.4 Hours	~5.8 Hours	~11.6 Hours	~17.4 Hours
Full-Size Refrigerator (200W)*	~2.6 Hours	~4 Hours	~4.3 Hours	~8.7 Hours	~13 Hours
Coffee Maker (1000W)	<i>Exceeds Inverter</i>	~48 Mins	~52 Mins	~1.7 Hours	~2.6 Hours
Microwave (1200W)	<i>Exceeds Inverter</i>	~40 Mins	~43 Mins	~1.4 Hours	~2.1 Hours
Space Heater / AC (1500W)	<i>Exceeds Inverter</i>	~32 Mins	~35 Mins	~1.1 Hours	~1.7 Hours



Conventional Solar Solution requires a significant investment. Power independence is priceless. Those interested need to have the space and want for a long Return on investment (ROI). There are some downsides to conventional solar solutions. These require an electrical permit and the slew of inspections that come with it.



We prefer Direct Current (DC)

Direct Current (DC) appliances run directly off battery or solar power, while Alternating Current (AC) appliances plug into standard wall outlets. DC is ideal for off-grid/solar setups due to higher efficiency, while AC is the global standard for long-distance transmission and heavy-duty, grid-powered appliances.

Core Comparison

Feature	Direct Current (DC)	Alternating Current (AC)
Power Source	Batteries, solar panels, fuel cells.	Wall outlets, standard electrical grid, generators.
Efficiency	Highly efficient. No energy lost to an inverter.	Lower efficiency due to inverter losses (usually 5-15% loss).
Availability	Harder to find, typically specialized (e.g., RV or marine parts).	Abundant and standard for almost all household appliances.
Voltage Drop	Suffers severe voltage drops over long distances, requiring thicker wires.	Can be easily stepped up/down using transformers, making it perfect for transmission.
Common Uses	Laptops, phones, LED lights, small cabin refrigerators.	Microwaves, air conditioners, refrigerators, toasters, space heaters.



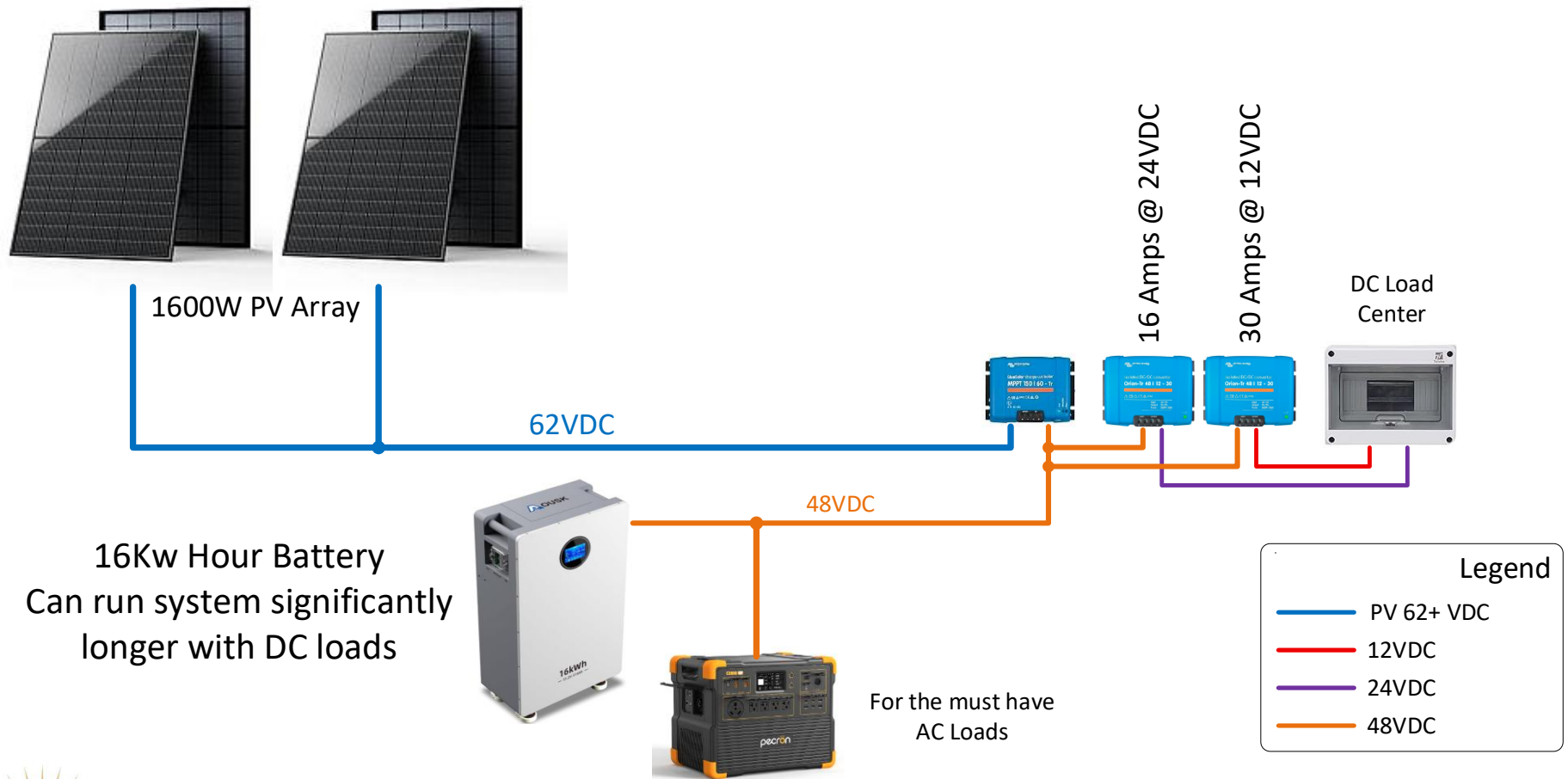
We Can Do More with DC

Solar Comfort Solution – DC Alternative can provide all the comforts of a home.

- Requires Less Solar Panels than conventional Solar solutions.
- Sized correctly the solar panels are sufficient for continuous daily operation.
- Surplus power can charge a large battery bank, store power for overnight use or cloudy days.
- We specialize in Hybrid 48/24/12V Direct Current Systems, more efficient and can run significantly more and longer.



Solar Comfort Solution 1600Watt Package



This system does not include an inverter and does not require permitting.

Solar Comfort Solution can Include:

This system does not require permitting.

- 1600W 60Amp Victron Smart Solar Charging System
- 16Kw Hour 48Volt Lithium Battery
- 32" TV/DVD Combo operates on 12VDC
- 12VDC powered Refrigerator/Freezer Combo 4.2 CF – 80W
- 24VDC Mini Split up to 650Sqf Air conditioner & Heat Pump – 400W
- 100W 12VDC USB C Charger
- 12VDC 6" Round dimmable lamps (Qty 6)
- DC Plugs to connect 12V Devices
- Pecron Power Pack E2000
- Professional Installation*
- Unlimited potential...



* Professional installation to be complete at customer site/manufacturing facility

Innovation - 24VDC Carbon Heating Film

We pride ourselves in being innovative and able to find products most don't know exist. Carbon heating film has been around for many decades. Today, it is produced in a DC variance. This allows supplemental heating under floor or in wall. Efficient solar heating elements can make a space more comfortable and remove humidity. Convection moves air constantly and dries the air as it travels over the heated surface.



Homogeneous Infrared Heat: The carbon layer acts as a continuous surface resistor, generating an even dispersion of long-wave far-infrared (IR-C) thermal energy



Our Partners

Innovation through partnerships



ADI Global

Electronics & Hardware Partner



Graybar

Hardware & Leasing Partner



We purchase 80% of the goods we sell from these two partners.



Resilient Solar

Bring Us Your Off-Grid Challenges

We have the solution.

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