SunWize Power & Battery is the premier power equipment provider. We develop, design, and build resilient remote power systems. We also design and build electronic assemblies for integration into OEM products and field applications.

40 years of proven excellence

Custom-designed power systems
- Stand-alone off-grid
- Hybrid solar systems
- Power backup systems

Off-the-Shelf control panels and solar systems

East and West coast manufacturing

Privately owned and operated
PRODUCTS & SERVICES

PRODUCTS

- Off-Grid Autonomous Power Systems
- Remote/Outdoor Battery UPS Systems
- Rugged Outdoor Solar Mounts
- Rugged Outdoor Enclosures
- Hybrid Power Systems (Solar/Wind/Generator)
- Components and Sub-Assemblies

SERVICES

- Solar System Sizing and Design
- Hybrid Power System Design and Analysis
- Design for Back-up Power Systems
- Consulting Engineering
- Assembly and Testing

READ OUR CAPABILITY STATEMENT
IN-HOUSE ASSEMBLY / QC TESTING

All of our System Design, Assembly, and QC testing are done in-house in our Oregon and Ohio facilities.

This allows us to ensure that everything that we ship is up to our standards, and ready to be deployed in the field.
Our state-of-the-art automated production capabilities include our wire-bending machine, which allows us to ensure consistency between all of the control panels we produce and saves time for our production team. Additionally, we utilize pneumatic tools to ensure that all of our wire crimps and connections are tight and secure.

AUTOMATED CAPABILITIES

- Wire bending
- Wire stripping
- Wire crimping
TYPES OF CUSTOM SYSTEMS
Custom designed by our team of experts to power your load when and where you need it

STAND ALONE SOLAR
Stand-alone solar systems are exactly what they sound like. They are a self-contained unit using solar for power generation, and batteries for energy storage.

Great For
- Sites with Limited Accessibility
- Low Power Devices
- Areas with Moderate to High Winter Solar Resources

LEARN MORE

HYBRID SOLAR
Hybrid Solar systems utilize solar power and a secondary charging source such as a generator, fuel cell, or wind turbine.

Great For
- Sites with Good Accessibility
- High Power Devices
- Areas with Low Winter Solar Resource

LEARN MORE

POWER BACK-UP
Power back-up systems are designed to be dependent on an external charging source, and to provide power when that power source is disconnected.

Great For
- Preventing Site Down Time
- Backup Critical Safety Equipment
- Keeping Communication Equipment Online

LEARN MORE
EXCLUSIVE PRODUCTS
Only From SunWize
POWER READY EXPRESS SYSTEMS

Turnkey Power Systems Ready to Ship

SunWize Power Ready Express (P.R.E.) systems combine the benefits of a custom-designed system and the convenience of a ready-to-ship pre-designed product that comes with everything you need to power an off-grid load.

We design our P.R.E. systems from the ground up, so you can be assured all the module cables, circuit breakers, and wire are sized properly for the included array and batteries, ensuring safety and product longevity.

Some of the other benefits of purchasing one of our P.R.E. systems include easy-to-follow installation documentation, technical support, and a minimum 1-year manufacturer warranty on the major component in the system.

P.R.E. systems include
- Solar Modules
- Module Cables
- Solar Mount
- Equipment Enclosure
- Wired Control Panel with Charge Controller
- Batteries

*Exact system components are subject to change based on current part availability. See our website for a full list of all available P.R.E. Systems

SHOP NOW
CONTROL PANELS

**Custom or Pre-Built Control Panels**

We carry a wide variety of predesigned and ready-to-ship control panels. These control panels come with a solar charge controller, breakers, wire, and open terminal blocks for connecting your load. These control panels make it easy to set up a power system.

They come pre-built on back plates that are designed to fit into our M, F, and T series of enclosures. Some exclusions apply; give us a call or visit our website for more details.

If you don’t see the exact control panel that you need for your application, then we can work with you to design and build a custom control panel to make sure you have exactly what you need.

We also have a selection of accessory panels, with things like inverters, DC/DC Converters, and communication equipment, that are designed to be used with our control panels.

SHOP NOW
The SunWize line of modules are high-quality solar modules selected to be the best combination of price, size, and reliability.

We have industrial modules ranging from 30W to 450W in size.

We offer modules with fire rating (UL 61730) and C1D2 certifications.

*non C1D2 and MC4 Versions of these modules are available, see our website for all available SunWize Solar Modules
SunWize Enclosures are designed to meet the needs of the off-grid industrial power market. We have several different lines of enclosures, from large ground-mounted cabinets to small pole-mounted enclosures.

There are multiple enclosures in each series, each one designed to hold a different capacity of batteries.

Visit our website for a full list of all the enclosures that we offer.
The SunWize Side of Pole mounts are durable mounts designed to hold arrays ranging from 50W to 1200W.

Our mounts feature our patented easy mounting bracket, and are wind-rated up to 140 MPH, and snow load rated up to 60PSF.

Wind and snow ratings are based off array angle, and array size. Contact us for more details.

Visit our website for a full list of all the solar mounting options.
SunWize offers a series of ground mounts that are designed to be easy to deploy, and easy to move.

240010 & 240005 are skids made from aluminum parts that are bolted together. This makes the mount lightweight, and easy to disassemble and move.

250160 is a solid galvanized steel skid. The skid is still easy for two people to lift but offers more rigidity and requires less ballast than the aluminum skid. The Steel Skid is designed to be used with either the M2-8D or T4x8D Enclosure.
The SunWize Power Station is a large ground-mounted solar mounting structure.

The Power Station is designed to be a self-contained system or be used as part of a larger system. There is space to mount battery enclosures, control enclosures, and combiner boxes, making assembly easy.

The Power Station mounts have a wind rating of 120MPH and a snow load rating of 50PSF (Exposure "C" @ 45°).

These mounts require far less ground penetration than a comparably sized Top of Pole mount, making them perfect for areas where digging is difficult or impractical because of soil conditions.
SunWize has a wide variety of system components available from our partners including:

- Solar Charge Controllers
- Batteries
- Battery Chargers
- Inverters
- DC/DC Converters

SHOP NOW
**DOT Telecom Site**

- **Array Size** – 35,520 W
- **Battery Capacity** – 5860Ah
- **System Voltage** – 48V
- **System Type** – Hybrid
- **Solar Mount** – Power Station Mount
- **Enclosures** – 260002 Control Enclosure
- **Batteries** – DEKA 2V Unigy II Interlocking Batteries

A state Department of Transportation required several large Hybrid systems for a closed-loop communication network for emergency services and civil defense networks. Systems utilized multiple metal array support structures from the SunWize Power Station line of products. Includes Outback Radian GS8048A-01 Inverter Charger, 100A-rated MPPT solar charge controllers, and all pre-assembled power control panels. Systems commissioned through the beginning of 2020. Installation by Radco.
CASE STUDY

California Utility

Array Size – 130 W
Battery Capacity – 108Ah
System Voltage – 12V
System Type – Stand-Alone Solar
Solar Mount – 27.5” SOP Mount
Enclosures – 004154 F1 Enclosure
Solar Controller – SunSaver 20A

A major utility company from Southern California contacted us because they needed to install some sensitive monitoring equipment on power poles. The power lines they needed to install this equipment on is carrying 12,000VAC power, however, their device requires 12VDC.

“Solar also allows me to install the sensor without touching the primary (12,000 volt) wires and adding equipment that might cause a huge wildfire. Adding 12,000-volt components (small power transformer, fuse, fuse cutout, lightning arrestor, jumpers) adds to our risk very slightly but the solar at 12v is pretty much fireproof.”

READ MORE
THANK YOU

Visit our website or give us a call to learn more

(866) 827-6527