

SunWize® Grid-Tie Systems with Battery Backup

Featuring the OutBack PS1-2500 and PS1-3000

Photo courtesy of Sun Electric Systems

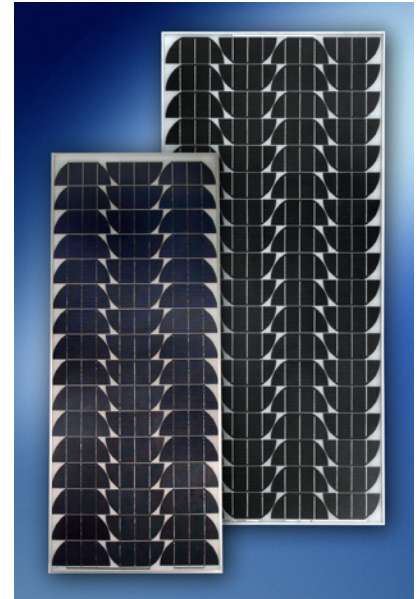


This residence is powered by a 8.3 kW grid-tied solar system with battery backup

SunWize Grid-Tie Systems with Battery Backup are quiet and operate automatically using solar electric technology. As the sun rises, the solar power system begins to deliver utility grade electricity to dedicated loads. Extra power not consumed will feed back into the grid and lower your electric bill. Utility power keeps the battery storage charged and supplies electricity to dedicated loads at night.

During power outages, the solar system provides power for daytime loads and battery charging for nighttime loads. SunWize Grid-Tie Systems with Battery Backup provide security and safety for your family or business during periods of extended power emergencies. On-site installation can be completed within a few days.

All electrical components are listed for safety to UL specifications. All SunWize Grid-Tie Systems with Battery Backup are certified by the Florida Solar Energy Center (FSEC) for high quality, reliable and safe operation compliant to the NEC. The FSEC certificate is useful for permitting and the inspections of installed systems.



SunWize 100C module (left) and the SW150/160 modules (right)



OutBack PS1-2500 / PS1-3000 shown with outdoor battery enclosure

SunWize Grid-Tie Systems with Battery Backup include:

- SunWize SW Solar Modules
- UniRac® SolarMount™ flush-mounted roof support structure
- OutBack PS1 Inverter Power System
- OutBack PSPV Combiner
- 8 Concorde Sun-Xtender® Sealed Batteries (9 kWh)
- Complete Documentation including drawings and owner's manual



The OutBack PS1 is ETL listed and the powder-coated aluminum enclosures are corrosion resistant

SunWize Grid-Tie Systems with Battery Backup offer SunWize modules and high-quality system components to provide reliable power. All major components needed for a successful installation are included with each system. In addition to solar modules and batteries, each system includes a pre-assembled and factory tested OutBack PS1 Inverter System with AC/DC disconnects and and PV ground fault protection, an OutBack PSPV combiner, a UniRac SolarMount support structure, MC cables, and an outdoor battery enclosure. The installer provides the common AC wiring. For power needs beyond 4 kW, additional power systems can be added for other critical loads. For 120/240Vac applications, an optional PSX240 transformer is available.

All SunWize systems include complete documentation, an installation guide and owner's manual. SunWize modules carry a 25-year warranty on power output. The PS1 carries a 5-year warranty and Concorde batteries have a 1-year warranty. The OutBack inverters carry a 5-year warranty and the MX60 controllers have a 2-year warranty.

Sealed AGM batteries provide 4 kWh (@ 24 hr. rate) of reserve power. Two additional battery packs allow expansion for a total of 12 kWh. Maintenance-free batteries are designed to last 10+ years in float condition.

Battery Enclosure Dimensions: 36.25" x 17.25" x 12.55", weight without batteries: 29 lbs. Weight with batteries: 315 lbs.

System Enclosure Dimensions: 31.3" x 17.25" x 12.9", weight: 107 lbs. Only experienced solar energy dealers or electrical contractors should install SunWize Grid-Tie Systems. Contact your SunWize dealer for pricing.

SunWize Grid-Tie Systems with Battery Backup Benefits:

- Generate your own electricity and reduce your electric bill
- Provide backup power for critical loads during utility power outages
- Increase the value of your home
- Protect against future rate increases
- Reduce the burning of fossil fuels contributing to a healthier environment
- You may be able to save money on your system purchase with state cash rebates and tax credits. To find out about available incentives and Net Metering laws in your state, visit the www.dsireusa.org web site.

SunWize Part #	PV Array (watts)	Solar Module	Power Center	Battery Storage	OutBack Inverter	Output Power (kW)	Output Vac *	PV# Series x Parallel	PV String Voc (Vdc)	PV String Isc (A dc)	PV Array Isc (A dc)
999GTB003	2400W	SW100C	PS1-2500	4kWh	GTFX3048	3.0	120	4 x 6	114	4.94	29.64
999GTB004	2800W	SW100C	PS1-2500	4kWh	GTFX3048	3.0	120	4 x 7	114	4.94	34.58
999GTB007	2250W	SW150	PS1-2500	4kWh	GTFX3048	3.0	120	3 x 5	126	5.11	25.55
999GTB008	2700W	SW150	PS1-2500	4kWh	GTFX3048	3.0	120	3 x 6	126	5.11	30.66
999GTB009	2400W	SW160	PS1-2500	4kWh	GTFX3048	3.0	120	3 x 5	126	5.43	27.15
999GTB010	2880W	SW160	PS1-2500	4kWh	GTFX3048	3.0	120	3 x 6	126	5.43	32.58
999GTB013	2800W	SW100C	PS1-3000	4kWh	GVFX3648	3.6	120	4 x 7	114	4.94	34.58
999GTB014	3200W	SW100C	PS1-3000	4kWh	GVFX3648	3.6	120	4 x 8	114	4.94	39.52
999GTB017	2700W	SW150	PS1-3000	4kWh	GVFX3648	3.6	120	3 x 6	126	5.11	30.66
999GTB018	3150W	SW150	PS1-3000	4kWh	GVFX3648	3.6	120	3 x 7	126	5.11	35.77
999GTB019	2880W	SW160	PS1-3000	4kWh	GVFX3648	3.6	120	3 x 6	126	5.43	32.58
999GTB020	3360W	SW160	PS1-3000	4kWh	GVFX3648	3.6	120	3 x 7	126	5.43	38.0

For orders without mounting structures add the suffix Z to part number
* 240 Vac output available with optional transformer

Systems are designed to operate in regions where average temperatures range from 5°F to 104°F