

## SunWize® Grid-Tie Systems with Battery Backup

Featuring the OutBack FLEXware 500 with GVFX and GTFX Inverters

Photo courtesy of Sun Electric Systems

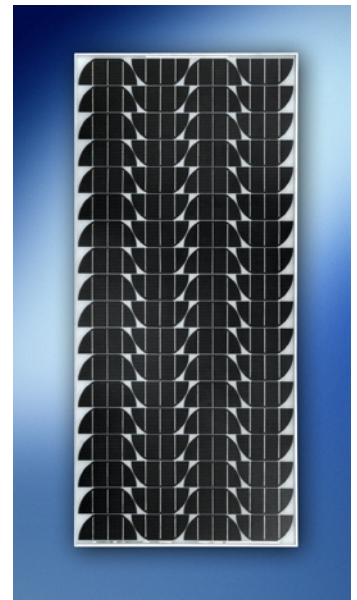


*This residence is powered by a 8.3 kW grid-tied solar system with battery backup*

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 SW150/160 modules*

### 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 rebates and tax credits. To find out about rebates, incentives and Net Metering laws in your state, visit the [www.dsireusa.org](http://www.dsireusa.org) web site.

### SunWize Grid-Tie Systems with Battery Backup include:

- SunWize SW Solar Modules
- UniRac® SolarMount™ flush-mounted roof support structure
- SunWize FLEXware 500 System Assembly including
  - 2 OutBack GFX Inverters (choice of sealed or vented)
  - 2 OutBack MX60 Controllers
- OutBack PSPV Combiner with DC circuit breakers
- 8 Concorde Sun-Xtender® Sealed Batteries (9 kWh)
- MidNite Solar Indoor Battery Enclosure
- Complete Documentation including drawings and owner's manual



# SunWize® Grid-Tie Systems with Battery Backup



The FW500 inverter power centers are assembled and tested in the ETL-508A listed SunWize factory. These power centers combine the disconnects, over current protection devices and controls into an easy to install and operate panel.

Shown with two OutBack GFX inverters/chargers and two MX60 controllers, included is a Mate universal system display/remote control and associated AC and DC switchgear. The FW500 AC section (on left) serves as a dedicated AC subpanel. DC section (on right) with MX60's. System is FSEC approved.

SunWize Grid-Tie Systems with Battery Backup offer SunWize modules and high-quality system components to provide reliable power. For power needs beyond 7.2kW, additional power systems can be installed for other dedicated critical loads. All major components needed for a successful installation are included with each system. In addition to solar modules and batteries, each system includes a SunWize assembled FLEXware 500 inverter power center with AC/DC disconnects and PV ground fault protection, an OutBack PSPV combiner with 'DIN' breakers, a UniRac SolarMount support structure, MC cables, and a lockable, indoor battery enclosure. The installer provides the common AC wiring. Optional digital +/-, net kWh meter is also 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 FLEXware 500 carries a 1-year SunWize warranty and the 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 9 kWh (@ 24 hr. rate) of reserve power. Expandable up to 27 kWh. Maintenance-free batteries are designed to last 10+ years in float condition.

**Battery Enclosure Dimensions:** 33.6"W x 34.2"H x 15.2"D, weight without batteries: 30 lbs.

**FW500 System Dimensions:** 49.7"W x 20.3"H x 13.5"D, weight: 191 lbs.

Only experienced solar energy dealers or electrical contractors should install SunWize Grid-Tie Systems. Contact your SunWize dealer for pricing.



Indoor battery enclosure for 8 Group 31 batteries is key-lockable & constructed of powder-coated steel

SunWize Part #	PV Array (watts)	Solar Module	Battery Storage	Outback Inverter	Output Power (kW)	Output Vac	PV# Series x Parallel	PV String Voc (Vdc)	PV String Isc (Adc)	PV Array Isc (Adc)
999GTB021	5400	SW150	9kWh	GTFX3048-2	6.0	120/240	3 x 12	126	5.11	61.32
999GTB022	6300	SW150	9kWh	GTFX3048-2	6.0	120/240	3 x 14	126	5.11	71.54
999GTB023	5760	SW160	9kWh	GTFX3048-2	6.0	120/240	3 x 12	126	5.43	65.16
999GTB024	6720	SW160	9kWh	GTFX3048-2	6.0	120/240	3 x 14	126	5.43	76.00
999GTB025	5400	SW150	9kWh	GVFX3648-2	7.2	120/240	3 x 12	126	5.11	61.32
999GTB026	6300	SW150	9kWh	GVFX3648-2	7.2	120/240	3 x 14	126	5.11	71.54
999GTB027	5760	SW160	9kWh	GVFX3648-2	7.2	120/240	3 x 12	126	5.43	65.16
999GTB028	6720	SW160	9kWh	GVFX3648-2	7.2	120/240	3 x 14	126	5.43	76.00
999GTB-9KWH – For 9kWh expansion battery system (up to 3 units total)										

For orders without mounting structures add the suffix Z to part number

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

