



SunWize® Grid-Tie Systems with Battery Backup

Featuring the SunWize® Solar Ready Battery System, Mitsubishi 165W Solar Modules and the OutBack GFX Inverter

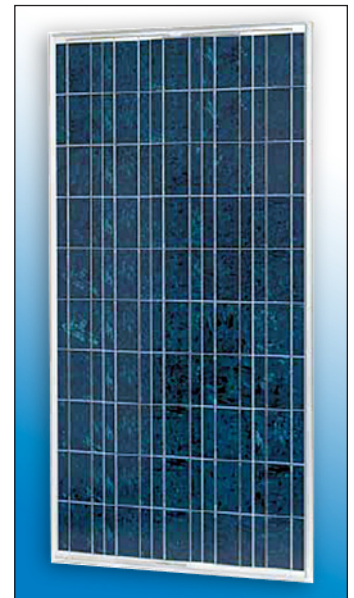


All components are housed in a lockable, vented, indoor enclosure with thermally active cooling fan (shown with top removed for display)

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. The SunWize Solar Ready Battery System is ETL listed to UL508A and CAN/CSA 22.2 for high-quality, reliable and safe operation compliant to the NEC. The UL listing is useful for permitting and the inspections of installed systems.



Mitsubishi MF-165 watt solar module

SunWize Grid-Tie Systems with Battery Backup include:

- Mitsubishi Solar Modules
- UniRac® SolarMount™ flush-mounted roof support structure
- SunWize Solar Ready Battery System with
 - 1 OutBack GFX Inverter (choice of sealed or vented)
 - 1 OutBack MX60 Controller
 - 1 OutBack MATE Digital System monitor
- Concorde Sun-Xtender® Sealed Maintenance-Free Batteries
- MidNite Solar Indoor Enclosure
- PSPV Combiner with Circuit Breakers
- Copper Grounding System and Wire Management System for the PV Array
- Complete Documentation including drawings and owner's manual

Thermally active cooling fan



SunWize® Grid-Tie Systems with Battery Backup



SunWize Solar Ready Battery System components are housed in a grey powder-coated steel, key-lockable enclosure

These SunWize Grid-Tie Systems offer Mitsubishi 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, factory-tested SunWize Solar Ready Battery System with AC/DC disconnects, PV charge controller, PV ground fault protection, a UniRac SolarMount support structure, MC cables, and a lockable, indoor battery enclosure. The installer provides the common AC wiring. For 240 volt applications an optional PSX240 transformer can be added and an optional 240Vac digital +/- and net kWh meter is also available. GTB072-77 dual Solar Ready Battery Systems include an OutBack HUB4 communications manager.

All SunWize systems include complete documentation, an installation guide and owner's manual. Mitsubishi modules carry a 20-year warranty on power output. The SunWize Solar Ready Battery System 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 controller has a 2-year warranty.

Depending on the system selected, the sealed AGM batteries provide 13 or 26 kWh (@ 24 hr. rate) of reserve power. Maintenance-free batteries are designed to last 10+ years in float condition. Battery Enclosure Dimensions: 32"W x 58"H x 15"D. Weight with batteries: 920 lbs. Systems GTB072-GTB077 are dual enclosure models.

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



MATE digital system control and display



Optional utility grade digital kWh meter

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 Array Isc (A dc)
999GTB064	1320	MF165	13kWh	GTFX3048-1	3.0	120	4 X 2	121.6	14.72
999GTB065	1980	MF165	13kWh	GTFX3048-1	3.0	120	4 X 3	121.6	22.08
999GTB066	2640	MF165	13kWh	GTFX3048-1	3.0	120	4 X 4	121.6	29.44
999GTB067	3300	MF165	13kWh	GTFX3048-1	3.0	120	4 X 5	121.6	36.80
999GTB068	1320	MF165	13kWh	GVFX3648-1	3.6	120	4 X 2	121.6	14.72
999GTB069	1980	MF165	13kWh	GVFX3648-1	3.6	120	4 X 3	121.6	22.08
999GTB070	2640	MF165	13kWh	GVFX3648-1	3.6	120	4 X 4	121.6	29.44
999GTB071	3300	MF165	13kWh	GVFX3648-1	3.6	120	4 X 5	121.6	36.80
999GTB072	3960	MF165	26kWh	GTFX3048-2	6.0	120/240	4 X 6	121.6	44.16
999GTB073	5280	MF165	26kWh	GTFX3048-2	6.0	120/240	4 X 8	121.6	58.88
999GTB074	6600	MF165	26kWh	GTFX3048-2	6.0	120/240	4 X 10	121.6	73.60
999GTB075	3960	MF165	26kWh	GVFX3648-2	7.2	120/240	4 X 6	121.6	44.16
999GTB076	5280	MF165	26kWh	GVFX3648-2	7.2	120/240	4 X 8	121.6	58.88
999GTB077	6600	MF165	26kWh	GVFX3648-2	7.2	120/240	4 X 10	121.6	73.60

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

