



Mitsubishi 180 watt solar module

SunWize® Grid-Tie Systems with Battery Backup

Featuring OutBack FLEXware 500 GVFX and GTFX Inverters/Chargers

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. 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 homes or businesses during periods of extended power emergencies. On-site installation can be completed within a few days.

Grid-Tie Systems with Battery Backup include:

- Mitsubishi Solar Modules
- UniRac® SolarMount™ flush-mounted roof support structure
- SunWize FLEXware 500 System Assembly including
 - 1 or 2 OutBack GFX series Inverters (choice of sealed or vented)
 - 1 or 2 OutBack FM60 Controllers
- OutBack Combiner with 150 Vdc circuit breakers
- 8 Concorde Sun-Xtender® Sealed 'AGM' Batteries (9 kWh)
- MidNite Solar Indoor Battery Enclosure
- Wire management and PV array grounding system
- Complete Documentation including drawings, warranties and owner's manual



Indoor powder-coated steel enclosure, light gray, for 8 Group 31 batteries is key-lockable

SunWize Grid-Tie Systems with Battery Backup offer Mitsubishi PV 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 SunWize assembled FLEXware 500 inverter power center with AC/DC disconnects, 80A 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. All SunWize systems include complete documentation, an installation guide and owner's manual. Mitsubishi modules carry a 20-year warranty on power output. The FLEXware 500 assembly carries a 1-year SunWize warranty. Concorde batteries have a 1-year warranty. OutBack inverters carry a 5-year warranty (10-years in California). FM60 controllers have a 5-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.



The FW500 inverter power centers are assembled and tested at SunWize to UL-508A listing for USA and Canada CAN/CSA 22.2#14-M95 "Industrial Control Panel". Shown with two OutBack GVFX inverters/chargers, two FM60 controllers.

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Part #	PV Array (watts)	Solar Module	Battery Storage	PV# Series x Parallel	PV Array (Isc) (A _{dc})	Outback Inverter-quantity	Power (kW)	Output (Vac)
999GTB078	2880	180MF5	9 kWh	4 x 4	32	GTFX3048-1	3.0	120
999GTB079	3600	180MF5	9 kWh	4 x 5	40	GTFX3048-1	3.0	120
999GTB021	4320	180MF5	9 kWh	4 x 6	48	GTFX3048-2	6.0	120/240
999GTB022	5040	180MF5	9 kWh	4 x 7	56	GTFX3048-2	6.0	120/240
999GTB023	5760	180MF5	9 kWh	4 x 8	64	GTFX3048-2	6.0	120/240
999GTB024	6480	180MF5	9 kWh	4 x 9	72	GTFX3048-2	6.0	120/240
999GTB080	2880	180MF5	9 kWh	4 x 4	32	GVFX3648-1	3.6	120
999GTB081	3600	180MF5	9 kWh	4 x 5	40	GVFX3648-1	3.6	120
999GTB025	4320	180MF5	9 kWh	4 x 6	48	GVFX3648-2	7.2	120/240
999GTB026	5040	180MF5	9 kWh	4 x 7	56	GVFX3648-2	7.2	120/240
999GTB027	5760	180MF5	9 kWh	4 x 8	64	GVFX3648-2	7.2	120/240
999GTB028	6480	180MF5	9 kWh	4 x 9	72	GVFX3648-2	7.2	120/240

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