



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

SunWize® Solar Ready Battery Systems

Provide backup power when utility power is unavailable

SunWize® Solar Ready Battery Systems are utility interactive and designed to operate with a solar array. During the day, the solar array (sold separately) delivers utility grade electricity to dedicated loads. Extra power not consumed will feed back into the grid and lower your electric bill. At night, utility power keeps the batteries charged and supplies electricity to dedicated loads. Solar Ready Battery Systems provide power when utility power is unavailable.

Automatic Operation

Solar Ready Battery Systems operate quietly and automatically providing safety for your family or business by keeping the lights on and providing power for critical loads. No need to think about where your power is coming from when utility power shuts off.

Backup Power in a Box

Solar Ready Battery Systems include all the components necessary for battery backup power in one self-contained unit for indoor installation. The enclosures are lockable for security and offer an optional breaker access door. All electrical components are listed for safety to UL specifications. The SunWize assembly is pre-wired and is ETL certified to UL-508A industrial control enclosure for the US and Canada.

High Quality Components

SunWize Solar Ready Battery Systems offer high-quality system components to provide reliable power. Each system includes a sealed 3000W or vented 3600W pure sine wave inverter with five-stage battery charger, manual AC bypass switch, FM60 charge controller, MATE digital system control and display, GFI outlet, PV-GFP circuit breaker, AC/DC breakers and sealed, AGM deep-cycle batteries.



System include a sealed or vented inverter. OutBack vented GVFX inverter shown.



SunWize® Solar Ready Battery System with enclosure door closed. Grey powder-coated steel, key-lockable enclosures shown with MATE.

Outback inverters carry a 5-year warranty (10-year in California), and the FM60 controller has a 2-year warranty. Concorde batteries carry an 18-month warranty and provide 13 or 26 kWh (@ 24-hour rate) of reserve power depending on the model you choose. SRB3.0 and 3.6 are expandable to 39 kWh. Maintenance-free batteries are designed to last 10+ years in float condition. Batteries are shipped – not installed.

SunWize Solar Ready Battery Systems include:

- OutBack GFX series inverter/charger
- FM60 controller for solar connection
- MATE digital system control and display
- Concorde Sun-Xtender® sealed batteries
- Lockable, vented indoor enclosure
- Complete documentation – an installation guide with diagrams and owner's manual

Other SunWize Solar Ready Battery Systems

are available for:

- Stand-alone, off-grid solar applications
- On-grid UPS or off-grid with generator applications

SunWize Solar Ready Battery Systems provide backup power for many household and small business devices

- Computer systems
- Lights
- Well pumps
- Refrigerators
- Health and medical equipment
- Communication systems

SPECIFICATIONS

Models	SRB 3.0	SRB3.6	SRB 6.0	SRB 7.2
Part Number with Breaker Door	996716004 996716004-A	996716005 996716005-A	996716006 996716006-A	996716007 996716007-A
AC Ratings				
Inverter	1 sealed GTFX3048	1 vented GVFX3648	2 sealed GTFX3048	2 vented GVFX3648
Wave form	Pure sine wave	Pure sine wave	Pure sine wave	Pure sine wave
AC Voltage	120 Vac nominal 1	20 Vac nominal	120/240 Vac	120/240 Vac
AC Phase Configuration	Single	Single	Split	Split
Frequency	60Hz +/- 0.04%	60Hz +/- 0.04%	60Hz +/- 0.04%	60Hz +/- 0.04%
Total Harmonic Distortion	<5%	<5%	<5%	<5%
Surge Power	6000 Watts	7200 Watts	12000 Watts	14400 Watts
Continuous Power	3000 Watts	3600 Watts	6000 Watts	7200 Watts
AC Pass-Through Current	50 Amps	50 Amps	120 Amps	120 Amps
Inverter Efficiency	93%	93%	93%	93%
Transfer Time at Power Failure	16 ms	16 ms	18 ms	18 ms
DC Ratings				
Battery Breaker	125A	125A	125A x 2	125A x 2
Battery Voltage (Nominal)	48 Vdc	48 Vdc	48 Vdc	48 Vdc
Battery Charging Current (Max)	30 Amps DC	60 Amps DC	70 Amps DC	90 Amps DC
Battery Bank				
Battery Capacity (C/24)	305 AH @ 48V	305 AH @ 48V	610 AH @ 48V	610 AH @ 48V
Usable to 80% DOD	13 kWh*	13 kWh*	26 kWh	26 kWh
Battery Type	AGM maintenance free	AGM maintenance free	AGM maintenance free	AGM maintenance free
Dimensions W x H x D	32" x 58" x 15"	32" x 58" x 15"	64" x 58" x 15"	64" x 58" x 15"
Number of Battery Cabinets	Single	Single	Dual	Dual
Approximate Weight (including batteries)	920 lb.	920 lb.	1820 lb.	1820 lb.
Solar Input				
Maximum Solar Watts	3300W	3300W	6600W	6600W
DC Input Voltage (Voc)	80-125 Vdc	80-125 Vdc	80-125 Vdc	80-125 Vdc
PV-DC Ground Fault Protection	Yes	Yes	Yes	Yes
PV-DC Breaker Rating	63A	63A	63A x 2	63A x 2
Back-up Run Times (example)				
1000 watt 120V AC Load	13 hrs.	13 hrs.	26 hrs.	26 hrs.
Options:				
*Additional Battery Banks-13 kWh additional per bank – maximum of two 240 Vac transformers – Converts 120 Vac to 240 Vac (for 3.0/3.6 only). Breaker Access Door – Allows access to breakers when doors are locked. (Part # -A). Maximum of three additional DIN rail mount 15A-120 Vac load breakers can be field installed into 'Solar Ready' at dedicated AC Sub-Panel.				



Optional breaker access door



MATE digital system control and display



Thermally active cooling fan