

SunWize® Solar Ready Battery Systems

Provide backup power when utility power is unavailable



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 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 UL508A 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, M60 charge controller, MATE digital system control and display, GFI outlet, PV-GFP circuit breaker, AC/DC breakers and sealed, AGM deep-cycle batteries.

All SunWize systems include complete documentation, an installation guide including wiring diagrams and owner's manual. Outback inverters carry a 5-year warranty and the MX60 controller has a 2-year warranty. Concorde batteries carry a 1-year warranty and provide 13 or 26kWh (@ 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.

Only experienced solar energy or electrical contractors should install SunWize Solar Ready Battery Systems. Contact your SunWize dealer for pricing.

SunWize Solar Ready Battery Systems include:

- OutBack GFX series inverter/charger
- MX60 controller for solar connection
- MATE digital system control and display
- Concorde Sun-Xtender® sealed batteries
- Lockable, vented indoor enclosure
- Complete documentation installation guide and owner's manual

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	996716004	996716005	996716006	996716007

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	120 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.
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Options

*Additional Battery Banks-13 kWh additional per bank - maximum of 2
 240 VAC Transformer – Converts 120 VAC to 240 VAC (for 3.0/3.6 only)
 Breaker Access Door – Allows access to breakers when doors are locked
 Digital utility-grade meter – Displays +/- and net kWh
 Digital Remote Monitoring – TM500/48



Grey powder-coated steel, key-lockable enclosures shown with MATE (photo right)
 Optional utility grade digital kWh meter (left)
 and an optional breaker access door (photo above)



Thermally active cooling fan



MATE digital system control and display