

SunWize® Power Center Assemblies with E-Panel & OutBack Inverters



The SunWize Power Center Assembly combines the disconnects, overcurrent protection devices and controls into an easy-to-install and operate panel.

SunWize Power Centers are assembled and tested in the ETL-508A listed SunWize factory and feature OutBack inverter/chargers and the MX60 controller. SunWize Power Centers are designed for UPS or stand-alone applications and are ideal for medium-sized solar grid-tie systems with battery backup. The solar array, batteries and battery system connections are sold separately.

SunWize Power Centers offer sealed or vented OutBack FX series inverters with or without the MX60 charge controller assembled on a MidNite Solar E-Panel. The compact design of the E-Panel allows simple wall mounting of a single inverter/controller assembly for indoor installations. All components are listed to UL specifications for USA and Canadian standards. For 120/240Vac split-phase output, an additional 4kW PSX240 transformer can be added. Unit measures 26" x 18" x 18" and weighs 100 lbs.

Warranty info: • GFX inverters – 5-year • MX60 – 2-year • SunWize system – 1-year.

Available Options: • Digital +/- and net kWh meter • Mate • PSX 240 transformer
• DIN120Vac load circuit breakers



Optional OutBack MATE system display and controller



E-Panel, GFX inverter and MPPT MX60 controller



Optional OutBack PSX-240 auto transformer



Optional digital kWh meter

Benefits and Advantages

- Generate your own electricity and provide backup power
- Rebates may be available if used with a solar system
- Pre-assembly saves time/money
- Hinged door for easy access to wiring
- E-Panel serves as AC sub panel for dedicated loads
- All AC/DC circuit breakers are pre-wired

SunWize Power Center Assembly Features:

- OutBack sealed or vented inverter with or without MX60 MPPT charge controller, battery temp. sensor & cable
- Mounting brackets aid in 1-person installations
- Grey powder-coated steel enclosure
- AC distribution wiring terminal blocks
- 50A Input/Output AC bypass breakers
- 500A-50mv Negative DC current shunt
- Heavy duty 175A or 250A main battery circuit breaker
- 63A PV Ground fault breaker and dual GFCI outlets*
- 63Adc Solar/battery DIN rail-mounted breakers*

*available only with MX60

FOR BATTERY BACKUP WITH GENERATOR OR GRID-TIED UPS

The single FX inverter/charger system enables the grid or a generator to charge the battery bank. When utility power is not available, dedicated loads are directly powered by the battery bank.

OutBack FX Series Inverter/Charger

PART NUMBER	DESCRIPTION	
996716009	E-PANEL 125A FX3048T	3000W 48-120V, with RTS, Input/Output Bypass
996716010	E-PANEL 175A FX2524T	2500W 24Vdc-120Vac, RTS, Input/Output Bypass
996716011	E-PANEL 175A VFX3648	3600W 48Vdc-120Vac, RTS, Input/Output Bypass
996716012	E-PANEL 250A FX2012T	2000W 12Vdc-120Vac, RTS, Input/Output Bypass
996716013	E-PANEL 250A VFX2812	2800W 12Vdc-120Vac, RTS, Input/Output Bypass
996716014	E-PANEL 250A VFX3524	3500W 24Vdc-120Vac, RTS, Input/Output Bypass

FOR OFF-GRID SOLAR WITH BATTERY BACKUP

During the day, the single FX inverter/charger system enables solar energy to power dedicated loads directly and at night allows the battery bank to provide power for dedicated loads. A generator can be incorporated for battery charging and powering dedicated loads.

*OutBack FX Series Inverter/Charger with MX60 solar charge controller**

PART NUMBER	DESCRIPTION	
996716015	E-PANEL 125A FX3048T MX60+GFP	3000W 48-120V, with RTS, Input/Output Bypass, MX60, PVGFP
996716016	E-PANEL 175A FX2524T MX60+GFP	2500W 24Vdc-120Vac, RTS, Input/Output Bypass, MX60, PVGFP
996716000	E-PANEL 175A VFX3648 MX60+GFP	3600W 48Vdc-120Vac, RTS, Input/Output Bypass, MX60, PVGFP
996716017	E-PANEL 250A FX2012T MX60+GFP	2000W 12Vdc-120Vac, RTS, Input/Output Bypass, MX60, PVGFP
996716018	E-PANEL 250A VFX2812 MX60+GFP	2800W 12Vdc-120Vac, RTS, Input/Output Bypass, MX60, PVGFP
996716001	E-PANEL 250A VFX3524 MX60+GFP	3500W 24Vdc-120Vac, RTS, Input/Output Bypass, MX60, PVGFP

FOR GRID-TIE SOLAR WITH BATTERY BACKUP

During the day, the single GFX inverter/charger system enables solar energy to power dedicated loads directly or send excess electricity into the utility grid, lowering the electric bill. The Power Center also allows nighttime load operation. When utility power is not available, dedicated loads are directly powered by the solar array during the day and by a battery bank at night.

*OutBack GFX Series Inverter/Charger with MX60 solar charge controller**

PART NUMBER	DESCRIPTION	
996716002	E-PANEL 125A GTFX3048 MX60+GFP	3000W 48Vdc-120Vac, RTS, Input/Output Bypass, MX60, PVGFP
996716019	E-PANEL 175A GTFX2524 MX60+GFP	2500W 24Vdc-120Vac, RTS, Input/Output Bypass, MX60, PVGFP
996716003	E-PANEL 175A GVFX3648 MX60+GFP	3600W 48Vdc-120Vac, RTS, Input/Output Bypass, MX60, PVGFP
996716020	E-PANEL 250A GVFX3524 MX60+GFP	3500W 24Vdc-120Vac, RTS, Input/Output Bypass, MX60, PVGFP

*** MX60 SOLAR CHARGE CONTROLLER MAXIMUM PV INPUT**

BATTERY VDC	SOLAR VOC	SOLAR WATTS MAX
12	20-44	800
24	44-88	1600
48	80-125	3200