

SunWize® FLEXware Assemblies with OutBack Inverter/Chargers

Pre-assembled Power Centers

SunWize, an OutBack/ETL Integrating Partner, offers pre-assembled power center assemblies listed to UL-508A. SunWize FLEXware power centers are assembled, wired and tested by SunWize in a code-compliant package. These FLEXware power centers are a modular building block for the OutBack FX and GFX series inverter/chargers allowing modular expansion from single inverter back-up systems to a multiple inverter village power system. SunWize FLEXware power center's versatile design allows the choice of many installed options and offer a generous number of knock-outs allowing the installation of conduit, cable glands and other installation accessories.

OutBack's new, attractive FLEXware design also enables a lighter weight installation. The corrosion-resistant aluminum, silver powder-coated enclosures makes for a great looking installation that will last and look great for years to come. All FLEXware power centers are designed to be wall mounted for an indoor installation. The compact and flexible design of the mounting plate allows the inverters to be positioned in either a vertical or horizontal orientation for a professional-looking installation.



SunWize FLEXware 500 Power Center Assembly shown with optional charge controllers

FLEXware 500

For applications with medium power requirements such as homes or light commercial power systems, the FLEXware 500 supports up to two OutBack inverter/chargers and two FM60 or FM80 controllers. Standard FW500 power center assemblies include all of the protective overcurrent devices, two AC bypass breakers, two AC input breakers, two AC output breakers, AC I/O bus bars, and DC main breaker(s). Also included are a 500A DC negative shunt, negative bus bar, ground bus bar, positive/negative DC bus bar, DC main breaker bus bar, and a remote battery temperature sensor. Dual inverter assemblies include a HUB4 communications manager.

The FW500-AC section functions as a 120/240V AC load breaker sub-panel with space for adding eight OB-AC DIN mount breakers. The FW500-DC section allows DC load circuit breakers by the addition of eight OB-DC panel mount breakers. Space limited when used with FM60 charge controllers and/or PV-GFP. Size: 20.3" H x 46.3" W. Unit weight: 177 lbs.

FLEXware 1000

For applications with more power requirements such as large homes, commercial or village power systems, the FLEXware 1000 supports up to four inverter/chargers and four FM60 or FM80 controllers. Standard SunWize FW1000 power center assemblies include all of the protective over-current devices, four AC bypass breakers, four AC input breakers, four AC output breakers, five AC I/O bus bars, and DC main breakers.

Also included is a HUB10 communications manager, X240 stacking transformer, 500A negative shunt, negative bus bar, ground bus bar, positive/negative DC bus bar, DC breaker bus bar and a remote battery temperature sensor. The FW1000-AC section functions as a 120/240V load breaker sub-panel with space for adding sixteen of OB-AC DIN mount breakers.

The FW1000-DC section allows additional DC load circuit breakers, eleven OB-DC .75" panel mount breakers and three 1" wide breakers. Space limited when used with FM60 charge controllers and/or PV-GFP. Size: 40.6" H x 46.3" W. Unit weight: 329 lbs.

Many installed options are available for adding charge controllers, AC/DC load breakers, PV ground fault protection, surge protection, step up/down or load balancing transformers and system monitoring. Please refer to the SunWize FLEXware options on page 84.



SunWize FLEXware 1000 Power Center Assembly

SunWize FLEXware Assemblies with OutBack Inverter/Chargers

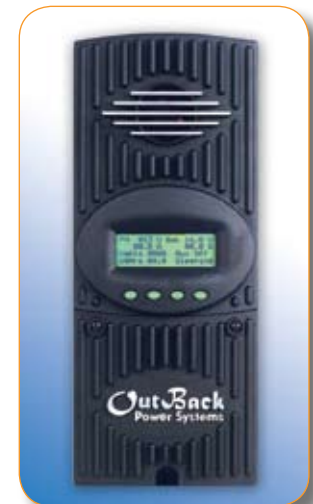
Part #	AC Power	Model	Description
FW500 with OutBack FX Sealed Inverter/Chargers			
For stand-alone, UPS or generator powered battery systems			
996715070-F	2500W	OBFW-FX2524T-1	One FX 2500W 24 Vdc-120 Vac, 175 Adc breaker, 60A bypass breaker
996715071-F	5000W	OBFW-FX2524T-2	Two FX 2500W 24 Vdc-120/240 Vac, 175 Adc breaker, 60A bypass breaker
996715075-F	3000W	OBFW-FX3048T-1	One FX 3000W 48 Vdc-120 Vac, 100 Adc breaker, 60A bypass breaker
996715076-F	6000W	OBFW-FX3048T-2	Two FX 3000W 48 Vdc-120/240 Vac, 100 Adc breaker, 60A bypass breaker
FW500 with OutBack GT Sealed Inverter/charger and FW-SP-ACA surge protector			
For PV Grid-Tie battery back-up (must include MX60 option – sold separately)			
996715058-F	2500W	OBFW-GTFX2524-1	One GTFX 2500W 24 Vdc-120 Vac, 175 Adc breaker, 60A bypass breaker
996715059-F	5000W	OBFW-GTFX2524-2	Two GTFX 2500W 24 Vdc-120/240 Vac, 175 Adc breaker, 60A bypass breaker
996715046-F	3000W	OBFW-GTFX3048-1	One GTFX 3000W 48 Vdc-120 Vac, 100 Adc breaker, 60A bypass breaker
996715047-F	6000W	OBFW-GTFX3048-2	Two GTFX 3000W 48 Vdc-120/240 Vac, 100 Adc breaker, 60A bypass breaker
FW500 with OutBack FX Inverter/Charger - 50 Hz Systems			
For stand-alone, UPS or generator powered battery systems			
996715084-F	2300W	OBFW-FX2348ET-1	One FX 2300W 48 Vdc-230 Vac 50 Hz, 100 Adc breaker, 30A bypass breaker
996715085-F	4600W	OBFW-FX2348ET-2	Two FX 2300W 48 Vdc-230 Vac 50 Hz, 100 Adc breaker, 30A bypass breaker
996715086-F	3600W	OBFW-VFX3048E-1	One VFX 3600W 48 Vdc-230 Vac 50 Hz, 175 Adc breaker, 30A bypass breaker
FW500 with VFX Vented Inverter/Chargers			
For stand-alone, UPS and generator powered battery systems			
996715031-F	2800W	OBFW-VFX2812-1	One VFX 2800W 12 Vdc-120 Vac, 250 Adc breaker, 60A bypass breaker
996715032-F	5600W	OBFW-VFX2812-2	Two VFX 2800W 12 Vdc-120/240 Vac, 250 Adc breaker, 60A bypass breaker
996715033-F	3500W	OBFW-VFX3524-1	One VFX 3500W 24 Vdc-120 Vac, 250 Adc breaker, 60A bypass breaker
996715034-F	7000W	OBFW-VFX3524-2	Two VFX 3500W 24 Vdc-120/240 Vac, 250 Adc breaker, 60A bypass breaker
996715035-F	3600W	OBFW-VFX3648-1	One VFX 3600W 48 Vdc-120 Vac, 175 Adc breaker, 50A bypass breaker
996715036-F	7200W	OBFW-VFX3648-2	Two VFX 3600W 48 Vdc-120/240 Vac, 175 Adc breaker, 60A bypass breaker
FW500 with 'GVFX' Vented Inverter/Charger and FW-SP-ACA surge protector			
For PV Grid-Tie battery back up systems (must include MX60 option – sold separately)			
996715045-F	3600W	OBFW-GVFX3648-1	One GVFX 3600W 48 Vdc-120 Vac, 175 Adc breaker, 60A bypass breaker
996715044-F	7200W	OBFW-GVFX3648-2	Two GVFX 3600W 48 Vdc-120/240 Vac, 175 Adc breaker, 60A bypass breaker
996715062-F	3500W	OBFW-GVFX3524-1	One GVFX 3500W 24 Vdc-120 Vac, 250 Adc breaker, 60A bypass breaker
996715063-F	7000W	OBFW-GVFX3524-2	Two GVFX 3500W 24 Vdc-120/240 Vac, 250 Adc breaker, 60A bypass breaker
FW1000 with FX Sealed Inverter/Chargers			
For stand-alone, UPS and generator powered battery systems			
996715072-F	5000W	OBFW-FX2524T-2FP	Two FX 2500W 24 Vdc-120/240 Vac, 175 Adc breaker, 60A bypass breaker
996715073-F	7500W	OBFW-FX2524T-3	Three FX 2500W 24 Vdc-120 Vac, 175 Adc breaker, 60A bypass breaker
996715074-F	10000W	OBFW-FX2524T-4	Four FX 2500W 24 Vdc-120/240 Vac, 175 Adc breaker, 60A bypass breaker
996715077-F	6000W	OBFW-FX3048T-2FP	Two FX 3000W 48 Vdc-120/240 Vac, 100 Adc breaker, 60A bypass breaker
996715078-F	9000W	OBFW-FX3048T-3	Three FX 3000W 48 Vdc-120 Vac, 100 Adc breaker, 60A bypass breaker
996715079-F	12000W	OBFW-FX3048T-4	Four FX 3000W 48 Vdc-120/240 Vac, 100 Adc breaker, 60A bypass breaker,
FW1000 WITH 'VFX' Vented Inverter/Chargers			
For stand-alone, UPS and generator powered battery systems			
996715048-F	8400W	OBFW-VFX2812-3	Three VFX 2800W 12 Vdc-120 Vac, 250 Adc breaker, 60A bypass breaker
996715049-F	11200W	OBFW-VFX2812-4	Four VFX 2800W 12 Vdc-120/240 Vac, 250 Adc breaker, 60A bypass breaker
996715054-F	7000W	OBFW-VFX3524-2FP	Two VFX 3500W 24 Vdc-120/240 Vac, 250 Adc breaker, 60A bypass breaker
996715050-F	10500W	OBFW-VFX3524-3	Three VFX 3500W 24 Vdc-120 Vac, 250 Adc breaker, 60A bypass breaker
996715051-F	14000W	OBFW-VFX3524-4	Four VFX 3500W 24 Vdc-120/240 Vac, 250 Adc breaker, 60A bypass breaker
996715066-F	7200W	OBFW-VFX3648-2FP	Two VFX 3600W 48 Vdc-120/240 Vac, 175 Adc breaker, 60A bypass breaker
996715052-F	18800W	OBFW-VFX3648-3	Three VFX 3600W 48 Vdc-120 Vac, 175 Adc breaker, 60A bypass breaker
996715053-F	14400W	OBFW-VFX3648-4	Four VFX 3600W 48 Vdc-120/240 Vac, 175 Adc breaker, 60A bypass breaker

SunWize/OutBack FLEXware Installed Options

Part #	Description	Part #	Description
CONTROLLERS - OUTBACK, mounts to RH side of FW-DC enclosure		AC TRANSFORMERS	
715OPPO-103	One FM80 - FW500DC	715OPPO-24	X-240 STEP UP Transformer
715OPPO-104	One FM80/PVGFP - FW500DC	715OPPO-43	X-240, Generator Balancing-FX and VFX only
715OPPO-105	Two FM80 - FW500DC	715OPPO-44	X-240 OB Classic Stacking-FX and VFX only
715OPPO-106	Two FM80/PVGFP - FW500DC	GENERATOR ACCESSORY	
715OPPO-107	One FM80 - FW1000DC with SENSOR	715OPPO-59	GEN. START RELAY
715OPPO-108	One FM80/PVGFP - FW1000DC with SENSOR	METERS - Xantrex, installed on FW-DC enclosure	
715OPPO-109	Two FM80 - FW1000DC	715OPPO-53	TM500A-48VDC System Monitor
715OPPO-110	Two FM80/PVGFP - FW1000DC	715OPPO-54	TM500A-12/24VDC System Monitor
715OPPO-111	Three FM80 - FW1000DC	SURGE ARRESTORS	
715OPPO-112	Three FM80/PVGFP - FW1000DC	715OPPO-37	AC SURGE ARRESTOR-Delta SOV
715OPPO-113	Four FM80 - FW1000DC	715OPPO-38	DC SURGE ARRESTOR-Delta SOV
715OPPO-114	Four FM80/PVGFP - FW1000DC	715OPPO-102	FW-SP-ACA SURGE PROTECTOR AC/DC (included on all GTFX/GVFX assemblies)
715OPPO-116	One FM60 - FW500DC	ACCESSORIES	
715OPPO-117	One FM60/PVGFP - FW500DC	715068	OutBack MATE system controller - Grey oval
715OPPO-118	Two FM60 - FW500DC	715126	OutBack MATE2 system controller - Black rectangular flush mount
715OPPO-119	Two FM60/PVGFP - FW500DC	715157	OutBack PSX-240 6kW step up/down transformer
715OPPO-120	One FM60 - FW1000DC	715OPPO-115	FLEXnet DC System Monitor
715OPPO-121	One FM60/PVGFP - FW1000DC	DC CIRCUIT BREAKERS, 125V - 'OBB-DC', panel mount	
715OPPO-122	Two FM60 - FW1000DC	715OPPO-8	100A-DC BKR, 1.0" wide, 5/16 stud
715OPPO-123	Two FM60/PVGFP - FW1000DC	715OPPO-88	80A-DC BKR, 3/4" wide, 1/4 stud
715OPPO-124	Three FM60 - FW1000DC	715OPPO-9	60A-DC BKR, 3/4" wide, 1/4" stud
715OPPO-125	Three FM60/PVGFP - FW1000DC	715OPPO-10	40A-DC BKR, 3/4" wide, 1/4" stud
715OPPO-126	Four FM60 - FW1000DC	715OPPO-11	30A-DC BKR, 3/4" wide, 1/4" stud
715OPPO-127	Four FM60/PVGFP - FW1000DC	715OPPO-46	20A-DC BKR, 3/4" wide, 1/4" stud
PV-DC GROUND FAULT PROTECTION		715OPPO-12	15A-DC BKR, 3/4" wide, 1/4" stud
715OPPO-23	OBB-GFP-80D-125 Vdc, 80A TWO POLE	715OPPO-50	10A-DC BKR, 3/4" wide, 1/4" stud
AC CIRCUIT BREAKERS - 'OBB', AC DIN rail mounting		AC CIRCUIT BREAKERS - 'OBB', AC DIN rail mounting	
715OPPO-80	60A-120 Vac BKR, single pole-1/2"	715OPPO-80	60A-120 Vac BKR, single pole-1/2"
715OPPO-62	50A-120 Vac BKR, single pole-1/2"	715OPPO-62	50A-120 Vac BKR, single pole-1/2"
715OPPO-91	30A-240 Vac BKR, TWO pole-1/2"	715OPPO-91	30A-240 Vac BKR, TWO pole-1/2"
715OPPO-15	30A-120 Vac BKR, single pole-1/2"	715OPPO-15	30A-120 Vac BKR, single pole-1/2"
715OPPO-17	25A-240 Vac BKR, two pole-1"	715OPPO-17	25A-240 Vac BKR, two pole-1"
715OPPO-92	20A-240 Vac BKR,TWO pole-1/2'	715OPPO-92	20A-240 Vac BKR,TWO pole-1/2'
715OPPO-61	20A-120 Vac BKR, single pole-1/2'	715OPPO-61	20A-120 Vac BKR, single pole-1/2'
715OPPO-19	15A-120 Vac BKR, single pole-1/2'	715OPPO-19	15A-120 Vac BKR, single pole-1/2'
715OPPO-89	10A-120 Vac BKR, single pole-1/2'	715OPPO-89	10A-120 Vac BKR, single pole-1/2'



OutBack PSX-240



OutBack FM60 controller



OutBack MATE system display and controller