



SunWize Power Center Assembly with MidNite E-Panel, Magnum MS inverter and charge controller (shown without mounting brackets). These power centers combine the disconnects, overcurrent protection devices & controls into an easy-to-install and operate panel. All include 50' MS Remote Control (shown top left).

SunWize® Power Center Assembly with Magnum Inverter

For Stand-Alone Solar Power Systems

SunWize Power Centers are designed for medium sized, stand-alone solar power applications with battery backup. Assembled and tested in the ETL-508A listed SunWize factory, these Power Centers feature a Magnum Energy MS pure sine wave inverter/charger and an OutBack FM60 charge controller. The solar array, battery, and battery connections are sold separately.

The inverter/charger with an FM60 allows stored solar energy to power dedicated loads directly, day or night and can also be connected to a generator. The inverter/charger without FM60 allows utility power for dedicated UPS load operation and battery charging needs. All components are ETL or UL listed for USA and Canadian standards.

SunWize offers Magnum inverter/charger models for 12V, 24V or 48 Vdc systems, mounted on a MidNite Solar E-Panel with optional FM60 charge controller. The compact design of the E-Panel allows simple wall mounting. Indoor-rated MS series inverters include automatic cooling fan. The MS series inverters are 120 Vac/60 Hz single phase output with a grey steel E-panel-right hand door. Optional 6kW transformer PSX-240 can be added for 120/240 Vac split phase output on 12V or 24V MS inverter models. MS4448AE and MS4024AE are a single inverter with 120/240 Vac/60 Hz split phase output with a white steel E-panel, left hand door.

Unit size: 14.5" x 18" x 18" / Weight: 88 lbs. • Unit size with FM60: 20.5" x 18" x 18" / Weight: 100 lbs. Warranty info: • MS inverter – 2-year • FM60 – 5-year

Part #	Inverter Model	Output Power	Output Vac	Battery Charger	Solar Power (Max.)	Solar Voltage (Voc)	DC Breaker
FOR OFF GRID SOLAR/BATTERY (with FM60)							
996717001	MS2812	2800	120	125	800W	20-44	250
996717002	MS4024	4000	120	105	1600W	44-88	250
996717003	MS4448AE	4400	120/240	60	3200W	80-125	175
996717007	MS4024AE	4000	120/240	105	1600W	44-88	250
FOR OFF GRID GENERATOR/BATTERY UPS (without FM60)							
996717004	MS2812	2800	120	125	na	na	250
996717005	MS4024	4000	120	105	na	na	250
996717006	MS4448AE	4400	120/240	60	na	na	175
996717008	MS4024AE	4000	120/240	105	na	na	250

SunWize Power Center Assembly Features:

- MS series inverter/charger with optional OutBack FM60 charge controller with battery temperature sensor and cable
- Mounting brackets aid in 1-person installations
- Grey powder-coated steel enclosure
- Full-function digital remote control (50 ft.) for MS inverter
- AC distribution wiring terminal block
- 50A Input/Output 120 Vac bypass breakers
- 500A-50mV Negative DC current shunt
- Heavy-duty 125V main DC battery breaker
- 63A PV Ground fault breaker, dual GFCI outlets and 63 Adc Solar/battery DIN rail mounted breakers included with FM60

Benefits and Advantages:

- Generate your own electricity and 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
- Compact design saves space

Power Center Accessories:

- 172002, ME-AGS Generator start control module
- 715157, PSX-240 transformer 120/240 Vac/60 Hz split phase
- 716010, 15A-120 Vac load circuit breakers