

MAGNUM POWER INVERTERS

Magnum 240/120 VAC Inverters True Sine Wave @ 24 & 48 VDC

747-001 MS4024PAE 4000W 24VDC \$2699
747-002 MS4448PAE 4400W 48VDC \$2699

The MS-PAE 120/240V Series Inverter/Charger from Magnum Energy is a pure sine-wave inverter designed specifically for the most demanding renewable energy applications. The MS-PAE Series is powerful, easy-to-use, and best of all, cost effective.

The MS-PAE Series inverters have a Power Factor Corrected battery charger built in which uses 25-30% less AC current than standard chargers. The MS Series also integrates nicely with larger generators with 240/120 VAC output. Its two-leg 240/120 VAC capability allows the generator to operate in a balanced mode, both as a battery charger and for feed-through loads.

We now feature this inverter in some of our solar electric kits as well as a pre-wired power panel. It offers 240/120 VAC operation at a much lower cost than the Xantrex models. It doesn't have all the bells and whistles that the XW inverters have, but it will perform all the tasks a homeowner will need it to do.

Magnum Inverter Control

747-006 ME-ARC50 Remote Control \$299

The ME-ARC50 is simple to use, yet allows full control of all Magnum Inverter/Chargers, the ME-AGS-N network auto generator start module and the ME-BMK battery monitor. It is the only way to customize the operating parameters for all Magnum inverter/chargers. The ME-ARC50 provides convenient finger-tip operation, including the new one-knob programming. It comes standard with a 50', 4-conductor telephone cable and includes non-volatile memory which preserves adjustable settings, even if power to the remote or inverter is removed. Dims: 3.6"H x 8.8"W x 2"D



Automatic Generator Start Modules

747-005 ME-AGS-N Auto Gen Start \$329

This is a three-relay, networked automatic generator start module meant to be used with a Magnum inverter and its remote control. The ME-AGS-N Auto Generator Start controller is networked to a Magnum inverter and can automatically start your generator based on battery voltage or inside temperature. Starts most diesel or gas generators.



747-004 ME-AGS-S Auto Gen Start \$329



This is a two-relay, stand alone automatic generator start module. The ME-AGS-S Auto Generator Start controller is used in applications that do not include a Magnum inverter.



- 3 Year Warranty
- 120/240-volt split-phase, true sine wave output (no need for autotransformer or stacking inverters)
- Super Efficient Battery Charger
- ETL Listed to the stringent requirements of UL1741
- Easy to Install using one of our pre-wire power panel systems

Magnum MS-PAE Series Specifications:

| MODEL | MS4024PAE | MS4448PAE |
|---|------------------------|------------------|
| Continuous Power (Watts) | 4000 | 4400 |
| Max. AC Surge Current (Watts) | 5800 | 8500 |
| Peak Efficiency | 93% | 94% |
| Search Mode Power | <6 Watts | <6 Watts |
| Search Mode Defeated (No Load) | 27 Watts | 25 Watts |
| Input Voltage Range (VDC) | 18.0-33.8 | 36.0-67.6 |
| Waveform Sine Wave | Yes | Yes |
| Output Voltage (VAC) | 120/240 | 120/240 |
| Adj. Load Sensing (Watts) | 5-50 Adj. | 5-50 Adj. |
| Auto Low Batt Protection (VDC) | 18-25 Adj. | 36-50 Adj. |
| Forced Air Cooling: | 0-120 cfm Variable Fan | |
| Automatic Transfer Relay (Amps) | 30A per Leg | 30A per Leg |
| Transfer Time | 16 msecs | 16 msecs |
| Charge Rate (Amps) | 105A Max (@28.2V) | 60A Max (@56.4V) |
| AC Input Current for Max Charge Rate Output @ 240 VAC | 15 Amps | 17.5 Amps |
| Charger Efficiency | 85% | 85% |
| Weight (Lbs) | 54.5 | 54.5 |
| Dimensions (HxWxL) | 13.75"x12.65"x8.0" | |
| Mounting: | Wall or Shelf | |

Magnum MS4024AE mounted on a MidNite Solar disconnect with an ME-RC50 Remote Control and a MidNite Classic 150 Charge Controller. See pg 24 for another mounted view.



MAGNUM POWER INVERTERS

Magnum 120 VAC Inverters True Sine Wave @ 12 & 24 VDC

| | | |
|----------|--------------------|--------|
| 747-2012 | MS2012 2000W 12VDC | \$2149 |
| 747-2812 | MS2812 2800W 12VDC | \$2399 |
| 747-2024 | MS2024 2000W 24VDC | \$2099 |
| 747-4024 | MS4024 4000W 24VDC | \$2599 |

The MS Series Inverter/Charger from Magnum Energy is a pure sine-wave inverter designed specifically for the most demanding renewable energy applications. It is similar in every respect to the MS-PAE Series except it only outputs 120 VAC rather than 120/240 VAC. The MS Series inverter/charger uses the same ME-ARC50 control and ME-AGS-N auto gen start as the MS-PAE Series. The physical size of all the MS and MS-PAE inverters is the same as well, though the weights differ.

Magnum 120 VAC Inverters Modified Sine Wave @ 12 & 24V

The MM-AE and RD 120VAC Series Inverter/Chargers from Magnum Energy are modified sine-wave units designed specifically for off-grid renewable energy applications. The MM-AE and RD Series are powerful, easy-to-use, and best of all, cost effective.

| | | |
|----------|----------------------|--------|
| 747-0612 | MM612AE 600W 12VDC | \$599 |
| 747-1512 | MM1512AE 1500W 12VDC | \$899 |
| 747-1524 | MM1524AE 1500W 24VDC | \$939 |
| 747-2212 | RD2212 2200W 12VDC | \$1459 |
| 747-1824 | RD1824 1800W 24VDC | \$1289 |
| 747-2824 | RD2824 2800W 24VDC | \$1679 |
| 747-3924 | RD3924 3900W 24VDC | \$1979 |

Magnum MS Series Specifications:

| MODEL | MS2012 | MS2024 | MS2812 | MS4024 |
|----------------------------------|------------------------|-----------------------------|------------------------|-----------------------|
| Continuous Power (Watts) | 2000 | 2000 | 2800 | 4000 |
| Max. AC Surge Current (Watts) | 3300 | 2850 | 3900 | 5800 |
| Peak Efficiency | 90% | 86% | 90% | 93.7% |
| Search Mode Power | 7 Watts | 7 Watts | 7 Watts | 7 Watts |
| Search Mode Defeated (No Load) | 25 Watts | 25 Watts | 30 Watts | 25 Watts |
| Input Voltage Range (VDC) | 9-17 | 18-34 | 9-17 | 9-17 |
| Waveform Sine Wave | Yes | Yes | Yes | Yes |
| Output Voltage (VAC) | 120 | 120 | 120 | 120 |
| Adj. Load Sensing (Watts- Adj.) | 5-50 | 5-50 | 5-50 | 5-50 |
| Low Batt Protection (VDC-Out/In) | 9 (adj) Out 12.5 In | 18 (adj) Out 25 In | 9 (adj) Out 12.5 In | 18 (adj) Out 25 In |
| Forced Air Cooling: | | 0-120 cfm Variable Fans | | |
| Automatic Transfer Relay (Amps) | | 2 Legs @ 30A | | |
| Transfer Time | 16 msecs | 16 msecs | 16 msecs | 16 msecs |
| Charge Rate (Amps) | 100A Max | 60A Max | 125A Max | 105A Max |
| AC Input Current for Max Charge | | | | |
| Rate Output @ 120 VAC | 15 A | 15.8 A | 18 A | 29 A |
| Charger Efficiency | 85% | 85% | 85% | 85% |
| AC Input Frequency range | | 50 to 70 Hz | | |
| AC Input Voltage Range | | 60 to 140 (120 VAC Nominal) | | |
| Weight (Lbs) | 42 | 41 | 55 | 55 |
| Dimensions (HxWxL) | | 13.75"x12.65"x8.0" | | |
| Mounting: | | Wall or Shelf | | |

Magnum RD Series Specifications:

| MODEL | RD2212 | RD1824 | RD2824 | RD3924 |
|--------------------------------|----------|------------------------------------|----------|----------|
| Continuous Power (Watts) | 2200 | 1800 | 2800 | 3900 |
| Max. AC Surge Current (Watts) | 3700 | 4000 | 6000 | 9000 |
| Peak Efficiency | 95% | 94% | 93% | 93% |
| Search Mode Power (typical) | 5 Watts | 5 Watts | 5 Watts | 5 Watts |
| Search Mode Defeated (No Load) | 20 Watts | 12 Watts | 19 Watts | 25 Watts |
| Input Voltage Range (VDC) | 9 to 16 | 18 to 32 | 18 to 32 | 18 to 32 |
| Waveform | | Modified Sine wave | | |
| Output Voltage (VAC) | | 120 VAC | | |
| Adj. Load Sensing (Watts) | | 5-50 | | |
| Auto Low Batt Protection (VDC) | 9-12.2 | 18-24.4 | 18-24.4 | 18-24.4 |
| Forced Air Cooling: | | 0-120 cfm Dual Variable Speed Fans | | |
| Automatic Transfer Relay | 30A | 30A | 30A | 30A |
| Transfer Time | 16 msecs | 16 msecs | 16 msecs | 6msecs |
| Charge Rate (Amps) | 110A Max | 50A Max | 80A Max | 105A Max |
| Charger Efficiency | 85% | 85% | 85% | 92% |
| Weight (Lbs) | 37 | 35 | 42 | 53 |
| Dimensions (H x W x D) | | 13.75" x 12.65" x 8" | | |
| Mounting: | | Wall or Shelf | | |

Magnum MM-AE Series Specifications:

| MODEL | MM612AE | MM1512AE | MM1524AE |
|--------------------------------|----------|-----------------------|----------|
| Continuous Power (Watts) | 600 | 1500 | 1500 |
| Max. AC Surge Current (Watts) | 1100 | 2100 | 2650 |
| Peak Efficiency | 95% | 95% | 91% |
| Search Mode Power (typical) | 3 Watts | 6 Watts | 4 Watts |
| Search Mode Defeated (No Load) | 10 Watts | 18 Watts | 9 Watts |
| Input Voltage Range (VDC) | 9 to 16 | 9 to 16 | 18 to 32 |
| Waveform | | Modified Sine wave | |
| Output Voltage (VAC) | | 120 VAC | |
| Adj. Load Sensing (Watts) | | 5-50 | |
| Auto Low Batt Protection (VDC) | 9-12.2 | 9-12.2 | 18-24.4 |
| Forced Air Cooling: | | 0-59 cfm Variable Fan | |
| Automatic Transfer Relay | 20A | 20A | 20A |
| Transfer Time | 16 msecs | 16 msecs | 16 msecs |
| Charge Rate (Amps) | 30A Max | 70A Max | 35A Max |
| Charger Efficiency | 85% | 88% | 88% |
| Weight (Lbs) | 16 | 22 | 22 |
| Dimensions (L x W x H) | | 16.6" x 8.4" x 4.7" | |
| Mounting: | | Wall or Shelf | |



Magnum RD 2212
Inverter/Charger



Magnum MM 1512 AE
Inverter/Charger

OUTBACK POWER INVERTERS

OutBack Power Systems is an engineer-owned, customer focused manufacturer of renewable energy systems equipment. Their engineers have decades of power conversion design and equipment installation experience and share a passion for leading the industry into a new era of power conversion equipment performance, ease of use, and standardization.

They have designed all their equipment around an integrated systems approach. One could use an Outback inverter as a stand-alone unit, but its really designed to fit together with all the other pieces of the system.

There are two types of OutBack inverters: the original sealed FX Series and the vented VFX Series. In the sealed FX version all components are cooled by heat transfer. The vented VFX versions are cooled by internal fans. The vented versions allow for higher power inverters to be enclosed in the same size box as the sealed versions.



OutBack Power Inverters and System Components

FX Series Sealed Inverters

| | | |
|----------|-------------------|--------|
| 745-2012 | FX2012T 2000W 12V | \$2369 |
| 745-2524 | FX2524T 2500W 24V | \$2369 |
| 745-3048 | FX3048T 3000W 48V | \$2369 |

VFX Series Vented Inverters

| | | |
|----------|-------------------|--------|
| 745-2812 | VFX2812 2800W 12V | \$2569 |
| 745-3524 | VFX3524 3500W 24V | \$2569 |
| 745-3648 | VFX3648 3600W 48V | \$2569 |



FX/VFX Inverter
(Without Cover)

Design Features

- Powder-coated All Aluminum Die-cast Chassis
- Expandable
- Compact Size
- Field Repairable
- Modular
- 12, 24 and 48 Volt Models

OutBack Inverter Accessories

| | | |
|---------|------------------------------|-------|
| 746-001 | Mate | \$295 |
| 746-002 | Mate2 (Black square housing) | \$295 |

The OutBack MATE is a complete system controller and display for all combinations of OutBack equipment. It provides a display of the operating parameters:

voltage, current and frequency, as well as providing a means for set-point adjustment. A single MATE can be connected to multiple inverters and MX-60 charge controllers and any future OutBack equipment as well.



| | | |
|---------------------------------|---------------------------|-------|
| 746-009 | Hub-4 | \$195 |
| Four device connection for MATE | | |
| 735-001 | RTS Remote Temp Sensor | \$29 |
| 746-012 | PSX-240 Trans w/Enclosure | \$539 |



PSX-240
Transformer

Performance Features:

- True Sinewave Output
- Low Output Signal Distortion
- Over 3 Times Surge Capacity
- 60A AC Transfer Switch
- Low Idle Power Consumption
- Super Efficient
- Five Stage Smart Charger
- Series Stackable
 - Parallel Stackable
- Three Phase Stackable



OutBack/ MidNite Pre-Wired System Panel with Door Closed

OutBack Inverter Specifications:

| | Sealed Versions (Turbo) | | | Vented Versions | | |
|-------------------------------|-------------------------|---------|---------|----------------------|---------|---------|
| MODEL | FX2012T | FX2524T | FX2548T | VFX2812 | VFX3524 | VFX3648 |
| Continuous Power (Watts) | 2000 | 2500 | 2500 | 2800 | 3500 | 3600 |
| DC Input Voltage (Nom VDC) | 12 | 24 | 48 | 12 | 24 | 48 |
| (Range VDC) | 10.5-17.5 | 21-34 | 42-68 | 10.5-17.5 | 21-34 | 42-68 |
| Continuous AC RMS Output | 17A | 17A | 21A | 23.3A | 29.2A | 30A |
| Surge Power (Peak A@1msec) | 56 | 70 | 70 | 56 | 70 | 70 |
| (Peak A@100msec) | 40 | 50 | 50 | 40 | 50 | 50 |
| AC Overload Capability-Watts | 4800 | 6000 | 6000 | 4800 | 6000 | 6000 |
| 5 Sec Watts | 4000 | 4800 | 4800 | 4000 | 5000 | 5000 |
| 30 Min Watts | 2500 | 3200 | 3200 | 3200 | 4000 | 4000 |
| Efficiency (%) | 90 | 92 | 93 | 90 | 92 | 93 |
| Idle Power(W) (Sleep-3 Watts) | 18-20 | 18-20 | 21-23 | 19-21 | 18-20 | 21-23 |
| Automatic AC Transfer Relay | 60A | 60A | 60A | 60A | 60A | 60A |
| Adj. Charge Rate (Amps) | 0-80 | 0-55 | 0-35 | 0-125 | 0-85 | 0-45 |
| Minimum DC Breaker (Amps) | 250 | 175 | 100 | 250 | 250 | 175 |
| Weight (Lbs) | 56 | 56 | 56 | 54 | 54 | 54 |
| Dimensions (HxWxL) | 13" x 8.25" x 16.25" | | | 12" x 8.25" x 16.25" | | |

SAMLEX POWER INVERTERS

PST Series Sine Wave Inverters

| | | |
|-----------------|------------------------------|--------------|
| 748-001P | PST-300-12 300W 12V | \$159 |
| 748-002P | PST-600-12 600W 12V | \$229 |
| 748-003P | PST-1000-12 1000W 12V | \$419 |
| 748-004P | PST-1500-12 1500W 12V | \$529 |
| 748-009P | PST-2000-12 2000W 12V | \$699 |
| 748-005P | PST-300-24 300W 24V | \$169 |
| 748-006P | PST-600-24 600 24V | \$249 |
| 748-007P | PST-1000-24 1000W 24V | \$429 |
| 748-008P | PST-1500-24 1500W 24V | \$549 |
| 748-010P | PST-2000-24 2000W 24V | \$709 |

The Samlex PST series Sine wave inverters are low cost while maintaining high quality. They are well suited for small to medium loads where an integrated battery charger is not needed. Consider using a PST series inverter for that one "problem" load or when a "high-power" sine wave inverter with integral battery charger is not needed. An excellent value able to power any load within its power range.



Samlex PST 600W 12V Inverter

Samlex PST Series Sine Wave Inverter Specifications:

| | | | | | |
|-----------------------------------|----------------------------|-------------|--------------|-------------|------------------|
| MODEL (Watts 12V and 24V) | 300 12/24V | 600 12/24V | 1000 12/24V | 1500 12/24V | 2000 12/24 |
| Continuous Power (Watts) | 300 | 600 | 1000 | 1500 | 2000 |
| Max. AC Surge Current (VA) | 500 | 1000 | 2000 | 3000 | 4000 |
| Peak Efficiency | 85% | 85% | 85% | 85% | 85% |
| No Load Power (Watts) | 8.4/9.6 | 10.2/10.8 | 9.6/12 | <12/<19 | <12/<19 |
| Input Voltage Range (VDC) | 10.5 -16.5/ | 10.7 -16.5/ | 10.7 -16.5/ | 10.7-16.5/ | 10.7-16.5/ |
| | 21-33 | 21.4-33 | 21.4-33 | 21.4-33 | 21.4-33 |
| Output Voltage (VAC) | 120 | 120 | 120 | 120 | 120 |
| Low Input Voltage Shut-Down (VDC) | 10/20 | 10/20 | 10/20 | 10/20 | 10/20 |
| High Input Voltage Shutdown (VDC) | 16.5/33 | 16.5/33 | 16.5/33 | 16.5/33 | 16.5/33 |
| Forced Air Cooling: | Temperature Controlled Fan | | | | |
| Remote (Optional) | - | RC-15 | RC-15 | RC-200 | RC-200 |
| Weight (Lbs) | 3.3 | 5.4 | 8.8 | 12.7 | 15.6 |
| Dimensions (HxWxL In.) | 8.5x5.8x2.6 | 11x9.3x3.3 | 15.6x9.3x3.3 | 16.3x11x3.9 | 18.43x10.35x4.16 |
| Mounting: | Wall or Shelf | | | | |

SA Series Sine Wave Inverters

| | | |
|-----------------|-------------------------------|---------------|
| 748-011S | SA-300-112 300W 12V | \$189 |
| 748-012S | SA-600R-112 600W 12V | \$349 |
| 748-013S | SA-1000K-112 1000W 12V | \$429 |
| 748-014S | SA-1500-112 1500W 12V | \$559 |
| 748-014S | SA-2000K-112 2000W 12V | \$859 |
| 748-014S | SA-3000K-112 3000W 12V | \$1269 |
| 748-017S | SA-300-124 300W 24V | \$189 |
| 748-018S | SA-600R-124 600 24V | \$349 |
| 748-019S | SA-1000K-124 1000W 24V | \$429 |
| 748-020S | SA-1500-124 1500W 24V | \$559 |
| 748-014S | SA-2000K-124 2000W 24V | \$859 |
| 748-014S | SA-3000K-124 3000W 24V | \$1269 |

The SA Series are much the same as the PST Series, but are more robust.



Samlex SA 600W Inverter

Samlex SA Series Sine Wave Inverter Specifications:

| | | | | | | |
|-----------------------------------|----------------------------|----------------|-----------------|---------------|-----------------|-----------------|
| MODEL (Watts 12v and 24V) | 300 12/24V | 600 12/24V | 1000 12/24V | 1500 12/24V | 2000 12/24V | 3000 12/24V |
| Continuous Power (Watts) | 300 | 600 | 1000 | 1500 | 2000 | 3000 |
| Max. AC Surge Current (VA) | 400 | 800 | 2000 | 2000 | 4000 | 6000 |
| Peak Efficiency | 89% | 87% | 89% | 87% | 89%/92% | 88%/91% |
| No Load Power (Watts) | 3/7 | 17/18 | 17/18 | 11/11 | 33.6/36 | 24/38.4 |
| Stand-By Power | 3/4 | 3/4 | 3/4 | 3/4 | 7.2/7.2 | 6.6/8.4 |
| Input Voltage Range (VDC) | 10.5 -15/ | 10.5 -15/ | 10.5 -15.0/ | 11 -16/ | 10.5-15.0/ | 10.5-15.0/ |
| | 21-30 | 21-30 | 21-30 | 22 -32 | 21.0-30.0 | 21.0-30.0 |
| Output Voltage (VAC) | 120 | 120 | 120 | 120 | 120 | 120 |
| Low Input Voltage Shut-Down (VDC) | 10/20 | 10.5/21 | 10.5/21 | 10.5/21 | 10.5/21 | 10.5/21 |
| High Input Voltage Shutdown (VDC) | 15.5/31 | 15.3/30.6 | 15.3/30.6 | 15.3/30.6 | 15.3/30.6 | 15.3/30.6 |
| Forced Air Cooling: | Temperature Controlled Fan | | | | | |
| Remote (Optional) | Ex. Switch | Ex. Switch | S-R6-12/24,S-R8 | SR-5 | S-R6-12/24,S-R8 | S-R6-12/24,S-R8 |
| Weight (Lbs) | 7.7 | 5.4 | 8.8 | 15.5 | 19.8 | 22 |
| Dimensions (LxWxH In.) | 9.5x6x3 | 12.25x7.0x2.75 | 15.5x7.0x3.5 | 16.0x11.0x4.0 | 15.5x8.25x6.25 | 17.25x8.25x6.75 |
| Mounting: | Wall or Shelf | | | | | |

SCHNEIDER (XANTREX) INVERTERS

Xantrex inverters are the best and most popular inverter on the market because of their high efficiency and high reliability. This makes them ideal for all types of home-owner use from starting and running a submersible pump to operating a few lights and the TV. Reliability is where Xantrex inverters really set themselves apart. They are designed to protect themselves from every possible abuse—high and low battery bank voltage, high operating temperature, and shorted output. All this means that the user doesn't have to worry about inadvertently damaging their inverter. We have been selling Xantrex inverters for more than 15 years. The number of failures reported back to us has been phenomenally low—much less than 1%. Its nice to sell a product that delivers years of trouble-free service. It means less problems for us and most importantly—less problems for you!



XW Model Inverter

New Xantrex XW Inverters



XW System: XW Inverter, XW Power Distribution Panel and XW60 Charge Controller

Xantrex has introduced a new line of inverters called the XW Hybrid Inverter/Charger. This family of true sine wave inverters does it all - 120/240 VAC, stand-alone, grid backup and grid-tie - in one inverter. In one beautifully designed package, with a pre-wired AC/DC disconnect, all your inverter needs are met. Sizes include 6kW and 4.5 kW 48VDC units and a 4 kW 24 VDC unit.

Xantrex XW Model Inverters

| | | |
|---------|------------------|--------|
| 740-001 | XW4024 4000W 24V | \$3950 |
| 740-002 | XW4548 4500W 48V | \$3950 |
| 740-003 | XW6048 6000W 48V | \$4650 |

Key Features:

- 5 Year Warranty
- 120/240-volt split-phase, true sine wave output (no need for autotransformer or stacking inverters)
- Unsurpassed surge capacity - innovative Full Digital Control regulates voltage to prevent a drop during a power surge.
 - Full 200% rated output power is delivered to the load
 - Efficient, power factor corrected, high-current, multistage battery charging (minimizes recharge time, and electricity/fuel costs, and prolongs battery life)
 - Battery temperature Sensor Included
 - Certified to UL1741 and CSA for utility-interactive applications (no need to purchase an application specific model)
 - Easier and less expensive to install - mounting bracket is included and Power Distribution Panel includes all AC/DC disconnects and wiring (no need to individually purchase separate components)
 - Local display on inverter shows output power, charge current and battery level, to provide system status at-a-glance
 - Xanbus™ Network provides plug-and-play networkability (no need for separate hub or router)

XW System Accessories:

XW System Control with LCD Display:

741-011 XW System Control \$300

The XW System Control Panel features a graphical, backlit LCD display that provides system configuration and diagnostic information. The control unit is connected to the XW system components (XW inverter(s), XW charge controller(s) and auto generator start module) using Cat 5 cable in the Xanbus™ enabled network. No other connection devices are required except for the cat 5 cable between each component.



XW Automatic Generator Start:

741-012 Automatic Generator Start \$200



This module automatically activates a generator to provide the power to the XW inverter to charge a depleted battery bank. The user can define whether the generator should be activated on low battery bank voltage, state-of-charge, or load on the inverters. The AGS can start both two and three wire start controls.

XW Power Distribution Panel

741-010 Power Distribution Panel \$1800

Prewired for both AC and DC disconnects, it contains AC bypass breakers and a 250A inverter breaker. It is used on all three inverter models. Extra breakers can be added both for DC disconnects (XW charge controller, etc.) and AC circuits, including a generator AC input. We feel that it is necessary to use this distribution panel with any XW inverter installation and of course it is a necessary item for a code installation. The wire is cut-to-length, ready to connect to the inverter. Includes mounting plate and one XW conduit box.



SCHNEIDER (XANTREX) INVERTERS

XW System Accessories:

XW Conduit Box

741-015 XW Conduit Box

\$175

Only necessary for multiple inverter installations.



XW DC Panel Mount Circuit Breakers

741-019 15A \$35

741-018 20A \$35

741-017 30A \$35

741-014 60A \$25

741-020 80A \$35

Use for XW60 charge controller disconnects or any other DC load circuits.



XW AC Panel Mount Circuit Breakers

343-5xx AC Circuit Breakers Single Pole 15,20,30,40,60 Amps \$15

343-6xx AC Circuit Breaker Double Pole 30 or 60 Amps \$40

DIN Rail mount AC circuit breakers for load disconnect on XW inverter systems.



XW Pre-Wired System including XW60 charge controller, inverter cables and lightning arrestors.

XW 4024 System:

Input: 24 VDC Battery Bank

Output: 120/240 VAC Sine Wave

Charger: 150 amps at 24 VDC

Max. Array Input: 60 amps at 24VDC



| | | |
|----------|-----------------------------------|-----------|
| 740-001 | Xantrex XW 4024 Inverter | \$3950.00 |
| 741-010 | XW DC Disconnect | 1800.00 |
| 741-012 | XW Control Panel | 300.00 |
| 730-061 | Xantrex XW60 Charge Cont. | 685.00 |
| 741-015 | Two XW 60A Breakers | 50.00 |
| 312-4010 | 10' 4/0 Inverter Cables | 219.00 |
| 757-020 | Two MidNiteDC Lightning Arrestors | 238.00 |

Total: \$7242.00
Special Kit Price: \$6069

Xantrex XW Series Sine Wave Inverter Specifications:

| MODEL | XW4024 | XW4548 | XW6048 |
|-------------------------|-------------|-------------|-------------|
| Power Output | | | |
| Continuous Power: | 4000 watts | 4500 watts | 6000 watts |
| Output Current AC Amps: | L-L: 16.7 A | L-L: 18.8 A | L-L: 25 A |
| Surge Capability: | | | |
| 10 second rating | 8000 W | 9000 W | 12,000 W |
| Weighted Efficiency: | 91% | 93% | 93.5% |
| Transfer Relay: | 60 Amps rms | 60 Amps rms | 60 Amps rms |

Battery Charger

| | | | |
|----------------------------|--|-------------|-------------|
| Multi-Stage Charging: | Bulk, absorption, float/silent, and equalize | | |
| Maximum Charge Rate: | 150 amps DC | 85 amps DC | 100 amps DC |
| AC Input Current: | L-L: 18.3 A | L-L: 20.6 A | L-L: 27.5 A |
| Bulk Voltage (default): | 28.8 VDC | 57.6 VDC | 57.6 VDC |
| Float Voltage (default): | 26.8 VDC | 53.6 VDC | 53.6 VDC |
| Absorption Time (default): | 2 hours | 2 hours | 2 hours |

DC Input Requirements

| | | | |
|----------------------------|--------------|--------------|--------------|
| Search Mode: | <8 watts | <8 watts | <8 watts |
| On Mode (no load): | 24 watts | 26 watts | 28 watts |
| At Full Rated Power: | 171 amps | 95 amps | 127 amps |
| DC Input Voltage (Nominal) | 25.2 VDC | 50.4 VDC | 50.4 VDC |
| DC Input Voltage Range: | 22 to 32 VDC | 44 to 64 VDC | 44 to 64 VDC |

AC Output Characteristics

| | | |
|-----------------------|--|---------------------|
| Output Voltage: | L-n: 120 VAC +/- 3% | L-L: 240 VAC +/- 3% |
| AC Waveform: | True Sine Wave | |
| Frequency Regulation: | 60 Hz +/- 0.1% | |
| Load Sensing: | 8 to 255 watts (8 watts default) | |
| Listings: | UL 1741 1st Edition 2005; CSA107.1-01; FCC Class B | |

Standard Features

Adjustable Low Battery Protection
BTS— standard remote battery temperature sensor
Auxiliary Relay Output - 0-12 VDC, maximum 250 mA DC

Options

XW System Control Panel
XW Power Distribution Panel
XW Conduit Wiring Box for AC & DC Connections
XW Automatic Generator Start

Physical

| | | | |
|---|----------------------|---------|---------|
| Enclosure | NEMA Type 1 - Indoor | | |
| Specified Temp Range: | 32°F to 104°F | | |
| Allowed Temp Range: | -13°F to 158°F | | |
| Weight: | 115 lbs | 115 lbs | 125 lbs |
| Dimensions | 23" H x 16" W x 9" D | | |
| Dimensions with Power Distribution Panel: | 30" H x 32" W x 9" D | | |
| Mounting: | Wall | | |