

Xantrex PowerHub 1800

The Xantrex PowerHub is designed with the do-it-yourselfer in mind. The PowerHub is an inverter/battery charger combination with an attached battery box for two 100 amp-hour 12-volt batteries. One or two battery boxes can be attached to the PowerHub.

The PowerHub with two fully charged 100 Ah batteries can deliver up 950 watt-hours of electricity to run small appliances in a weekend cabin or during a power failure. The PowerHub allows batteries to be recharged with a small wind generator and/or PV systems, with a gas generator or with utility power. It does not have a built-in charge controller for PV modules but it has two DC charging inputs, one at 32 amps maximum, labeled PV and one at 80 amps labeled wind. Both could be used for PV with the addition of a charge controller. The 80-amp input is suitable for an AirX wind turbine (page 54) which has a built-in regulator.

When AC power is available from a generator or utility grid, the PowerHub will function as an automatic backup power unit. It will sit in bypass mode and will pass the power through to support the loads and/or the battery charger. When AC power is connected to the unit, input from wind or solar will not be used for powering the loads. When the AC input fails, the PowerHub's automatic transfer relay de-energizes and will switch the unit to inverter mode within 40 milliseconds.

Once AC input is restored, after a 20-second delay the relay energizes and qualifies the AC input and the load is automatically reconnected to the primary AC source.

When no AC power is available from a generator or utility grid, the inverter draws power from the battery bank and delivers a modified-sine wave AC output voltage. This output voltage can be accessed by using the four outlets on the front of the unit or by hard wiring the unit to the AC distribution panel which provides AC power to AC outlets at the site.

The inverter control panel provides a user interface for monitoring power levels, battery levels, and controlling the inverter functions and displays. Four 120VAC outlets on the front panel provide up to 1440W (continuous) output power. One 15 A supplemental protector provides over-load protection to the four AC outlets on the front panel. 1 year warranty.



Xantrex model	Description	Item code	Price
PH1800-GFP	Xantrex PowerHub 1800	30.0018	\$899
PH1800-UL	Xantrex PowerHub 1800 with ground fault protection	30.0020	\$899
PH1800-BBX	Xantrex PowerHub battery box	30.0023	\$150



Xantrex XPower 1500 Powerpack

The XPower Powerpack 1500 is a portable power system that can supply up to 1500 watts of household electricity. It consists of a battery pack that stores electrical energy, an inverter that converts 12 volts from the battery pack to household power, two standard AC outlets, and a DC power outlet that is used to run 12-volt products. These components are packaged into a rugged cart with a removable waist handle that allows XPower Powerpack 1500 to be wheeled from room-to-room or outdoors over rough terrain. Recharge XPower from a standard wall outlet with the included AC charger or recharge from your car, truck or RV with the included DC charging cable. Battery capacity is 60 Ah. 1-year warranty.

Xantrex XPower Powerpack 300Plus

Powered by a rechargeable battery, the XPower Powerpack 300Plus provides up to 300 watts of AC power and can jump-start a car, truck, boat or small RV. It can also operate a wide range of 12-volt automotive and marine products. Ideal for power emergencies, XPower Powerpack 300Plus comes with a built-in fluorescent emergency light and jump-start cables. The 20 amp-hour battery will power a cordless telephone for up to 40 hours, a laptop computer for six hours, and a portable stereo for 17 hours. The fluorescent light that comes with it will run for up to 25 hours on a fully charged battery. Recharge XPower from a standard wall outlet with the included AC charger. 1-year warranty.



Description	Item code	Price
XPower Powerpack 1500	30.1518	\$370
XPower Powerpack 300 plus	30.1513	\$130

Xantrex XPower Mobile-Plugs



The XPower Mobile Plug 75 is the smallest inverter on the market today. It incorporates high-frequency technology to convert power from a vehicle's battery (12-volt DC) into standard utility power (120-volt AC, 60 Hz) through a single, three-prong outlet. By plugging the XPower Mobile Plug 75 into a vehicle's lighter socket, users can recharge and run electronic devices such as cell phones, camcorders, and most laptop computers and PDAs - without the need for multiple adapters. It will run 75 watts for 5 minutes and 60 watts continuously. The XPower Mobile Plug 175 is a higher power version with a 175-watt output. 1-year warranty on both units.

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Xantrex Pocket Inverter 100

The XPower Pocket Inverter 100 utilizes advanced electronics to convert 12-volt DC battery power from a vehicle or airplane into 115-volt household AC electricity. So if your laptop battery runs down, you can just plug straight into the AC outlet



on the inverter and keep working away, just like you're at home. In addition to the AC power outlet, this inverter includes a USB charge port which can power or

charge iPod, Blackberry, iPaq, Palm and a wide range of other 'can't live without' electronic devices. The thinnest inverter on the market today, and only 0.5 pounds, makes it easy to fit inside even the most overburdened carry-on or laptop bag. With the integrated vehicle and airline connector you can keep your iPod music flowing, your cell phone charged and your laptop running nearly anywhere you're on the go. 1-year warranty.

XPower Pocket Powerpack 100

The XPower Pocket Powerpack combines a 100W inverter with a high capacity, high output battery pack to create a truly mobile power solution. If your laptop battery runs down, or you need five more minutes with your portable DVD player, you can just plug straight into the AC outlet on the inverter



and keep working or watching, just like you're at home. In addition to the AC power outlet, this inverter includes a USB charge port which can power or charge iPod, Blackberry, iPaq, Palm and a wide range of other electronic devices. The XPower Pocket Powerpack comes with a DC cable with vehicle and airplane connector and a 3.3 Ah NiMh battery pack. 1-year warranty.

NEW! XPower Digital Micro 400

120 VAC/60 Hz portable power for mobile offices



Designed to power electronics while on the go, these new compact digital inverters combine innovative industrial design with an advanced interactive LED display. This provides the user with instant feedback on input current and output voltage and valuable troubleshooting guidance through Fault Codes. With a power rating up to 400 watts, this new digital inverter provides a convenient and powerful way to access AC power. 1-year warranty.

Description	Item code	Price
XPower Mobile Plug 75	30.0075	\$30
XPower Mobile Plug 175	30.0081	\$45
XPower Pocket Inverter 100	30.0069	\$50
XPower Pocket Powerpack 100	30.0071	\$119
XPower Digital Micro 400	30.0096	\$30



Nickel Metal Hydride Batteries

NiMH batteries have up to twice the power of nickel-cadmium rechargeable batteries, can be recharged or topped off anytime, and don't have the memory effect. Their only drawback is all NiMH self discharge about half their energy in two months without use. They are best used in devices that use up batteries quickly, like digital cameras, portable entertainment devices and flashlights in constant use. They can be recharged about 500 times and last for years. Unlike nickel-cadmium batteries, nickel metal hydride batteries do not contain toxic substances.



Description	Item code	Price
Nickel metal hydride AAA cell 750 mAh	87.2019	\$1.60
Nickel metal hydride AA cell 2200 mAh	87.2021	\$2.20
Nickel metal hydride C cell 4500 mAh	87.2022	\$8.00
Nickel metal hydride D cell 9000 mAh	87.2024	\$11.00

QuickCharger

The QuickCharger sets a new standard in battery chargers for today's ultra-high capacity NiMH and NiCad batteries. Ordinary chargers are not able to charge NiMH and NiCads to their full capacity, and often generate heat while charging that shortens the life



of the battery. The QuickCharger's sophisticated internal computer charges your batteries quickly without overheating. NiCad batteries can be automatically discharged prior to charging to improve capacity and life. The computer also uses a trickle charge on fully charged batteries so the batteries can sit in the charger until you need them. It can recharge up to four D, C, AA, AAA batteries, analyze batteries for their charge and capacity, and it rejects damaged batteries. Negative pulse charging and Intelligent Discharge System (IDS) prevents memory effect and overcharging. Soft start function prevents overheating of battery, helping extend battery life. The QuickCharger can fully charge 2 AA nickel metal hydride batteries in about 2-1/2 hours. This charger is powered by 120 VAC through a wall transformer (included) with a 12VDC output and can easily be adapted to operate from 12VDC.

Description	Item code	Price
Quick charger Ni Cad/NiMH	87.2219	\$50

AccuManager 20 Fast Charger



This new super-fast charger from AccuPower can be powered by AC power or 12 VDC from a car cigarette lighter outlet and will charge nickel-cadmium, nickel-metal-hydride and rechargeable-alkaline batteries at the same time. One to four AAA, AA, C, D and two 9V batteries can be charged in any combination of sizes and battery chemistry at the same time.

The AccuManager20 automatically recognizes each battery type and charges them separately.

Description	Item code	Price
AccuManager20 charger	87.2216	\$65

Soltronix Headphone Radio

The Soltronix headphone radio is a solar recharging AM/FM headphone radio with superb sound. The solar module allows it to operate on just solar power in as little as thirty percent of full sunlight.

Additional power generated goes to charging the battery while the headphones are still operating! When the headphones are off, all power generated by the module goes to charging the included NiMH battery. One hour of charging in bright sunlight in a windowsill gives 1-2 hours of play time, and a fully charged battery provides over 18 hours of play time. The user benefits both from the savings and convenience of not having to change batteries.



Description	Item code	Price
Soltronix headphone radio	87.0136	\$40

Voltaic Solar Bags

Voltaic solar bags are mobile power generators, designed to charge your devices without tying you to a power outlet, which makes them ideal for traveling. Just plug a standard car charger into the bag and recharge most small electronic devices including: cell phones, cameras, two-way radios, PDAs, and MP3s. Note: Voltaic solar bags are not designed to charge laptops.

If you don't have a car charger, the bags come with a set of 11 standard adapters for common cell phones and other devices. We also offer a full range of optional adapters.

Embedded in the outside of all bags are three lightweight, tough, waterproof solar panels which generate up to 4 watts of power. included with each bag is a Li Ion battery pack which stores any surplus power generated, so it is available when you need it – not just when the sun is up. The battery pack can also be charged using an AC travel charger or car charger (both included). This makes the Voltaic bags just as useful on the grid as off.



Voltaic Backpack

The Voltaic Backpack is built tough for use as a weekend hike bag or as a large daypack. There are pockets and wire channels for multiple electronic devices and 1,850 cubic inches of storage space. It features high density padding in the shoulder straps and back panel for comfort, nylon mesh backing material for better air flow, an adjustable phone / MP3 pouch on the shoulder and a second lined MP3 / sunglasses pouch inside. The solar panels provide protection for fragile items inside the front pocket and wire channels throughout the bag take power to the shoulder strap and for headphones etc. It weighs 3.5 lbs (1,590 grams) including battery and solar panels and its dimensions are 20" high x 10-15" wide x 7-10" deep (51cm high x 25-38cm wide x 18-25cm deep).

Voltaic Daypack



The Voltaic Daypack has the same solar panels, battery and electronics pockets and wire channels for multiple electronic devices as the Backpack. With 1,500 cubic inches of storage space, it is slightly smaller. It is constructed of 840D nylon, weighs 3.5 lbs (1,590 grams) and measures 18" high x 10-13" wide x 6-9" deep (46cm high x 25-33cm wide x 15-23cm deep).

Voltaic Messenger



The Voltaic Messenger is reinforced and padded to carry and protect a laptop. It has large zipped pockets for documents, and multiple small pockets for electronic devices. Ideal for use in town or as a travel bag. It features an adjustable padded

laptop sleeve, for laptops with up to a 15" screen (14" x 10" x 2"), oversized nylon zips for extra strength and a padded adjustable shoulder strap. The solar panels provide protection for fragile items inside the front pocket. It weighs 3.25 lbs (1,500 grams) including battery and solar panels. Dimensions are 14.5"x11.5"x 4-5.5" (37x29x10-14cm).

Voltaic Converter



The Voltaic Converter is designed to attach to a larger rucksack to provide power for extended outdoor use. I also stands alone for use as a small daypack and laptop bag. It features a lined MP3/sunglasses pouch inside, loops with removable fastek buckles to attach to another bag and serve as an anchor point and MOLLE-compatible PALS for attachment to military-style rucksacks. It can be worn as a backpack or sling bag. Its shoulder straps can be stashed in back sleeve when not in use. It is big enough to carry a laptop with a 15" screen (14" x 10" x 2" or 35cm x 25cm x 5cm). Wire channels throughout the bag for headphones, bladder tubes or hands free phone kit make this bag very useful. It weighs 2.9 lbs (1,300 grams) including battery and solar panels. Its dimensions are 17" high x 10-12" wide x 3-4" deep (43cm high x 25-30cm wide x 7-10cm deep). Volume is 600 cubic inches (10 liters).

Model #	Description	Item code	Price
1001	Backpack	87.2501-x	\$249
1002	Daypack	87.2502-x	\$239
1003	Converter	87.2503-x	\$199
1004	Messenger	87.2504-x	\$229

Replace the x with solar module trim color.
-S for silver, -O for orange, -G for green, -C for charcoal