

A clean, green, backup power solution



The Xantrex PowerHub is a combination of an inverter/charger module capable of delivering up to 1800 watts of household power. It is the first backup power solution to operate with solar and wind inputs. Power from a generator or the utility grid can also be used with the PowerHub system to recharge its batteries. The PowerHub provides an affordable, high-output, primary power solution for an off-grid cottage or cabin, as well as backup power for grid-connected homes when the power goes out. It is scalable up to 400 amp-hours of energy, allowing customers to build their system based on their power requirements.

- » Never worry about running out of power – renewable power sources, solar and wind, sustain the PowerHub's battery charge indefinitely
- » An excellent alternative to a generator – designed for indoor use, with no fuel, fumes or noise
- » Add it to a grid-tie solar energy system for backup power

Product Features

- » Modified sine wave inverter/charger with battery box
 - » The battery box stores up to 200 amp-hours of battery power (single battery box included; batteries purchased separately)
 - » A second battery may be connected to double the battery capacity (additional battery box and batteries sold separately)
- » Designed to include a generator as part of the system; generator power can pass through the unit to the AC outlets, and recharge the batteries
- » Integrated transfer switch
- » 40-amp three-stage charger
- » Four AC outlets with hardwire option
- » Two DC inputs for solar and/or wind connections
- » Full-feature LED display for system monitoring

Applications:



Recreational vehicles



Heavy Duty trucks



Work vehicles



Specialty vehicles



Certified to CSA
C22.2 No. 107.1
and UL 1741 Standards.



Electrical specifications	Power Hub
Maximum power	1800 W
Continuous power	1440 W
Surge rating	2880 W
Output current (continuous)	12 A
Output voltage	120Vac (+5 / -10%)
Output frequency	60 Hz +/- 1 Hz
Output waveform	Modified sine wave
Peak efficiency	88%
No-load battery power draw	<12 W
No-load battery power draw (unit off)	< 3 W
Input operating voltage range	< 10.5 to 15.0 Vdc
Fuse (resettable)	
AC outlet	15 A breaker
Fuse (user replaceable)	
Battery box	10 x 20 A
Transfer time	< 40 milliseconds, 20 A
Operating temperature range	32°F to 104°F (0°C to 40°C)
Storage temperature range	-4°F to 140°F (-20°C to 60°C) (Below 32 deg F / 0 deg C only with fully charged batteries.)
AC receptacles	4
AC hardwire terminal block	15 A max
Battery charger specifications	
Output current	0/10/40 A
Output voltage (charge)	14.2 Vdc
Output voltage (float)	13.7 Vdc
Output voltage (recharge)	12.5 Vdc
AC input voltage	120 Vac 50/60 Hz
Charger efficiency	80% approximate
Charging type	Three-stage

Runtimes*	Watts	Runtime
Laptop	65	22 h
Inkjet printer	8	218 h 20 min
Cell phone	5	396 h
Table lamp	25	54 h 45 min
Clock radio	8	218 h 20 min
20" LCD TV	370	3 h 20 min
18 cu. ft. fridge	120	15 h 25 min
8.8 cu. ft. freezer	80	20 h 20 min
Sump pump (1/2 hp)	300	4 h 29 min
Home alarm system	5	396 h
Microwave	1000	1h 43 min
Coffee maker	1200	1h

General specifications	
Product weight with handle	28.6 lbs (13.0 kg)
Product dimensions (H x W x L)	14.75" x 8.0" x 16.0" (37.5 cm x 20 cm x 41 cm)
Warranty	One year
Part Number	PH-1800-GFP. Additional Battery Box: PH-1800-BBX

Regulatory Compliance

Product Safety: CSA C22.2 no. 107.1 and UL 1741. EMC: FCC Part 15, Class B / CAN ICES-3 (B)/NMB-3 (B).

Note: Specifications subject to change without notice. *Single battery box with 200 AH battery.