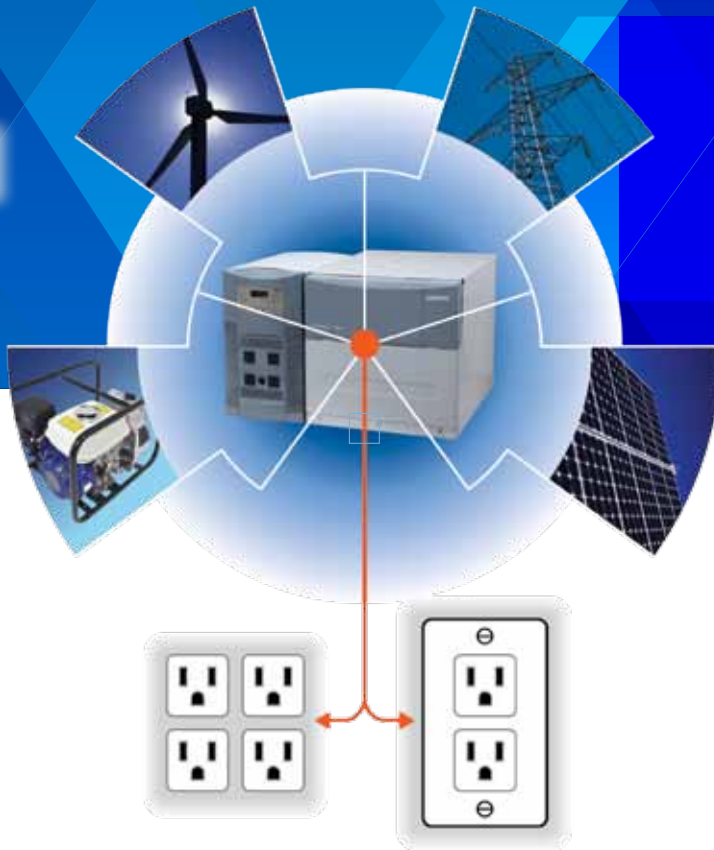


**1800  
Watts**



## POWERHUB™ BACKUP POWER SYSTEM

### 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



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## Xantrex PowerHub 1800

Inverter Specifications	
Maximum power	1800 W
Continuous power	1440 W
Surge rating	2880 W
Output current (continuous)	12 A
Output voltage	115 Vac +/- 10 Vac
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
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)
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
Float	13.7 Vdc
Recharge	12.5 Vdc
AC input voltage	115 Vac 50/60 Hz
Charger efficiency	80% approximate
Charging type	Three-stage

Physical Specifications	
Inverter dimensions (H x W x D)	14.1 x 8.0 x 16.1" (35.8 x 20.3 x 41 cm)
Battery box dimensions	13.9 x 13.9 x 20" (35.2 x 35.2 x 50.8 cm)
Inverter & battery box dimensions	14.1 x 21.9 x 20" (35.8 x 55.6 x 50.8 cm)
Weight inverter	27.3 lb (12.4 kg)
Weight battery box	29.0 lb (13.15 kg)
Part number	PH-1800-GFP
UPC number	715535114626
Warranty	One year

Batteries not included. Specifications subject to change without notice.

### Regulatory Approval

CSA C22.2 no. 107.1

PowerHub 1800 Runtimes (single battery box with 200 AH battery)		
Office Applications	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
17" LCD monitor	35	49 h 50 min
Table light 40 W	40	43 h
Table light 60 W	60	26 h 40 min
Emergency Power Applications	Watts	Runtime
Cordless phone	5	396 h
Clock radio	8	218 h 20 min
13" CRT TV	50	30 h 10 min
20" LCD TV	370	3 h 20 min
Home Backup Power Applications	Watts	Runtime
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	1 h 43 min
Coffee maker	1200	1 h

How long will it provide power?	Runtime <sup>1</sup>
Laptop, inkjet printer, modem and cordless phone	Up to 47 h
Cordless phone, 13" TV, radio and table lamp	Up to 19 h
18.8 cu. ft. fridge and alarm system	Up to 13 h

<sup>1</sup>Runtime as measured on tested loads.

Shipping Dimensions - Retail Package	
Package dimensions (H x W x D)	18.5 x 23 x 17" (47 x 58.4 x 43.2 cm)
Package weight	57.5 lb (26.1 kg)