

**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 ¹
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

¹Runtime 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)