



The center of any starter renewable energy system

The Xantrex PowerHub is the first renewable backup power system for the do-it-yourself market. The PowerHub is a combination of an inverter/charger module capable of delivering up to 1800 watts of household power and an adjoining battery enclosure capable of storing up to 100 amp hours of energy. It has enough power to run key appliances in a home for several days. In addition to being able to store energy and convert it to usable household power, the PowerHub allows discharged batteries to be recharged through multiple sources, including renewable solar and wind, generator or utility power if available. The PowerHub was designed for ease of installation, flexibility, compatibility with multiple inputs including solar and wind, and scalability from a battery perspective. The PowerHub is the obvious first step for home owners who are getting serious about backup power and renewable energy.

Product Features:

- ▶ Delivers up to 1800 watts of AC Power
- ▶ Includes a 40 amp, three stage charger
- ▶ Over and under-voltage protection including alarms
- ▶ Full-feature LED display for system monitoring
- ▶ Stores up to 200 amp hours of battery power

DC Input Compatibility:

- ▶ Wind and solar up to 1330 watts

AC Input Compatibility:

- ▶ Utility and generator up to 15 A
- ▶ Efficient design with over 88% peak efficiency for the inverter

AC power can be accessed through either:

- ▶ Four AC outlets provided or you can hardwire AC outlets to more convenient locations in the home

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Inverter Specifications

Maximum power	1800 W
Continuous power	1440 W
Surge rating (5 seconds)	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 power draw from battery	<12 W
No load power draw from battery unit off	< 3 W
Input operating voltage range	< 10.5 - 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 - 104°F (0°C - 40°C)
Storage temperature range	-4°F - 140°F (-20°C - 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	3 stage

Physical Specifications

Inverter dimensions	16.13 x 8.0 x 14.06" (4.1 x 20.3 x 35.7 cm)
Battery box dimensions	20.0 x 13.9 x 14.0" (50.8 x 35.2 x 35.7 cm)
Weight inverter	27.3 lb (12.4 kg)
Weight battery box	29.0 lb (13.15 kg)
Part number	PH-1800
UPC number	715535114046
Warranty	12 months

Batteries not included. Specifications subject to change without notice.

Regulatory Approval

CSA C22.2 no. 107.1

XPower PowerHub 1800 Runtimes

Office Applications	Watts	Runtime
Laptop	20	64 h 35 min
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	90 h
Microwave	1000	1h 43 min
Coffee maker	1200	1h

How Long Will It Provide Power?

Runtime¹

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	23 x 17 x 18.5" (58.4 x 43.1 x 46.9 cm)
Package weight	57.5 lb (26.1 kg)

