



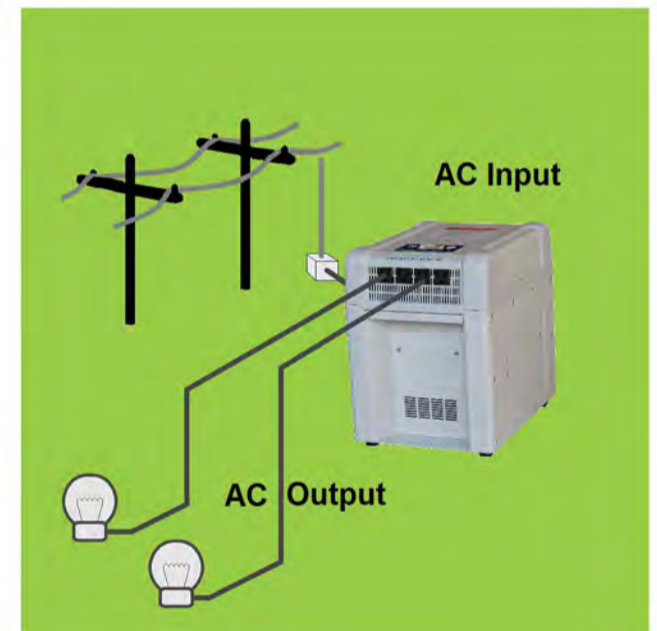
# Home / Cottage Systems

**Home Solar Kit 1800**  
**Home Solar 800**  
**Home Solar 400**



## Green Power for the rest of us

- The first complete home solar power kits on the market
- Separate models generate 400, 800 and 1800 Watts of Output Power
- Easily Install Anywhere
- Affordable backup power for the home or cottage
- Simple Modular Design (1800W model) can be upgraded to meet your power needs



## Features and Benefits

- AC household power available from the AC outlets to operate home appliances, power tools, and home electronics
- Confidence of never running out of power
- Indefinite battery recharge capability
- No fuel requirement
- Completely safe for indoor use
- Completely silent operation with no fumes
- Multiple AC Outlets
- Simple plug and play system
- USB port (400, 800 models) for charging handheld device
- Each model contains a built-in Battery, AC charger, Solar Charge controller and Transfer Switch

## Dimensions (W x L x H):

HS 1800: 14.5 x 10.5 x 14"  
(368.3 x 267 x 356mm)  
HS 800: 10.5 x 6.2 x 10"  
(267 x 158 x 254mm)  
HS 400: 10.5 x 6.2 x 10"  
(267 x 158 x 254mm)

## Weight:

HS 1800: 76 lbs (35 kg)  
HS 800: 34.4 lbs (15.6 kg)  
HS 400: 31 lb (14 kg)

# Home solar System

## Home Solar Kit 1800

## Home Solar 800

## Home Solar 400



### Specifications

Specifications	Home Solar Series		
	HS1800	HS800	HS400

<b>Inverter:</b>			
Continuous power	1800W	800W	400W
Surge power	3600W	1600W	800W
Output voltage	120 VAC *		
Output waveform	Modified Sinewave		
AC receptacles (NEMA 5-15)	4	2	2
Peak efficiency	90%		
No-load battery draw	< 3W		
Transfer time	< 30 ms		
AC input protection	15A	15A	10A

<b>AC Charger(built-in):</b>			
Charger current	5A	2A	2A
Charging stages	three-stages (bulk, absorption, float)		

<b>Solar Charger (built-in):</b>			
Input Current	8 ADC maximum		
Charging stages	three-stages (bulk, absorption, float)		
Maximum input voltage	26 VDC		

<b>5V USB:</b>			
Type	N/A	750mA	750mA

<b>Battery:</b>			
Type	Sealed Lead Acid		
Capacity	60Ah	40Ah	34Ah

<b>Environmental:</b>			
Operating temperature	32 to 104 °F ( 0 to 40 °C )		
Storage temperature	-4 to 140 °F ( -20 to 60 °C )		

<b>Solar Panel: (Included with HS 1800)</b>			
Peak Power (Pmax)	2 x 40W		
Voltage (Vmp)	17.5 VDC		
Open circuit voltage (VOC)	21 VDC		
Current (Imp)	2 x 2.29 A		

\* Unit also available in 230 VAC (HS1800i, HS800i, HS400i)

Specifications subject to change without notice

<b>Estimated Recharging Time</b>			
Using built-in charger	14.5 hrs	24 hrs	20 hrs
Using 80W solar panel	13 hrs	11 hrs	9 hrs
Using 40W solar panel	26 hrs	22 hrs	18 hrs

### Estimated Run Time

Office Applications:		Home Solar Series		
		HS1800	HS800	HS400

Cell phone	5W	95 hrs	65 hrs	55 hrs
Inkjet printer	8W	60 hrs	40 hrs	34 hrs
17" LCD monitor	35W	15.5 hrs	10.5 hrs	9.2 hrs
Table lamp (40W)	40W	12 hrs	8.5 hrs	7.2 hrs
Table lamp (60W)	60W	8 hrs	5.5 hrs	4.6 hrs
Laptop	65W	7.5 hrs	5 hrs	4 hrs

### Emergency Power Applications:

Cordless phone	5W	90 hrs	65 hrs	55 hrs
Clock radio	8W	55 hrs	40 hrs	34 hrs
20" LCD TV	40W	13 hrs	9.5 hrs	8 hrs

### Home Backup Power Applications:

Home alarm system	5W	90 hrs	65 hrs	55 hrs
8.8 cu. Ft. freezer	80W	4.5 hrs	N/A	N/A
18 cu. Ft. fridge	120W	3.5 hrs	N/A	N/A
Sump pump (1/4hp)	300W	65 mins	45 mins	N/A
1/2" drill	700W	19 mins	13 mins	N/A
Microwave	1000W	20 mins	N/A	N/A
Coffee maker	1200W	10 mins	N/A	N/A

### How long will it provide power?

Laptop, inkjet printer, modem, cordless phone	up to 10 hrs	up to 6.5 hrs	up to 5.5 hrs
Cordless phone, 13" TV, Radio and Table lamp	up to 3.3 hrs	up to 2 hrs	up to 1.6 hrs
18.8 cu. ft. fridge and alarm system	up to 3 hrs	N/A	N/A

### Regulatory Approval:

Conforms to UL STD. 1778  
 Certified to CSA STD. C22.2 No. 107.3-06  
 CE approval for 230 VAC model

