

400,800,1800W



Home Solar Systems

Plug & Play Series

Home Solar Kit 1800
Home Solar 800
Home Solar 400



Green Power for the rest of us

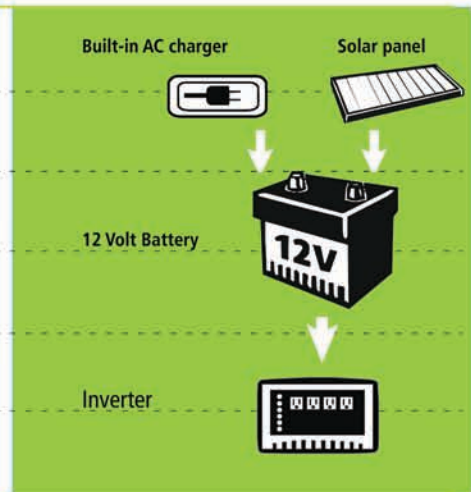
The first complete home solar power kits on the market

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



KISAE Home Power System benefits include:

- confidence of never running out of power
- indefinite battery recharge capability
- no fuel requirements
- completely safe for indoor use
- completely silent operation with no fumes
- add a backup for grid-tie systems
- simple plug and play system
- USB port (400, 800 models) for charging handheld device

Product Features:

- AC household power available from the AC outlets to operate home appliances, power tools, and home electronics
- combine all models with solar panels (included with 1800 model) to recharge from the sun or recharge the home solar products from the wall with the built-in AC charger
- each model contains a built-in battery; the Home Solar 1800 contains a 60Ah battery and additional auxiliary battery boxes can be purchased separately to extend run times

- Dimensions/Weight : (L x W x H)
Home Solar Kit 1800:
14.5 x 10.5 x 14 " (36.5 x 27 x 35.5 cm)
76 lb (34.5 KG)
Home Solar 800:
10.5 x 6.26 x 10.25" (27 x 16 x 26 cm)
34.3 lb (15.6 KG)
Home Solar 400:
10.5 x 6.26 x 10.25" (27 x 16 x 26 cm)
32 lb (14.1 KG)
- 1 Year Warranty

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KISAE Home Solar Systems

KISAE Home Solar Kit 1800 - HSK 1800

KISAE Home Solar 800 - HS 800

KISAE Home Solar 400 - HS 400



Specifications	Home Solar		
	1800	800	400
Inverter:			
Continuous power	1800W	800W	400W
Surge power	3600W	1600W	800W
Output voltage	120 VAC *		
Output waveform	Modified Sinewave		
AC receptacles	4	2	2
Peak efficiency	90%		
No-load battery draw	< 3W		
Transfer time	< 30 ms		
AC input protection	15A	15A	10A
AC charger(built-in):			
Charger current	5A	2A	2A
Charging stages	three-stages (bulk, absorption, float)		
Solar Charger (built-in):			
Input Current	8 ADC maximum		
Charging stages	three-stages (bulk, absorption, float)		
Maximum input voltage	26 VDC		
5V USB:			
Type	N/A	750mA	750mA
Battery:			
Type	Deep cycle lead acid		
Capacity	60Ah	40Ah	34Ah
Environmental:			
Operating temperature	32 to 104 °F (0 to 40 °C)		
Storage temperature	-4 to 140 °F (-20 to 60 °C)		
Solar Panel: (comes with Home Solar Kit 1800)			
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

Specifications subject to change without notice

Estimated recharging time

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	Home Solar			
	1800	800	400	
Office Applications:				
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



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