

Home Power Systems



The ideal safeguard for your home or business when the power goes out.

KISAE Home Power Systems are a complete line of packaged plug-n-play backup power systems. Each provides power from internal batteries for emergency relief during power outages. Intended for home or business use, the batteries can be recharged and replenished by either utility or solar power.

KISAE Home Power Systems offer the following benefits:

Confidence of never running out of power.

Indefinite battery recharge capability.

No Fuel Requirements

Completely Safe for indoor use.

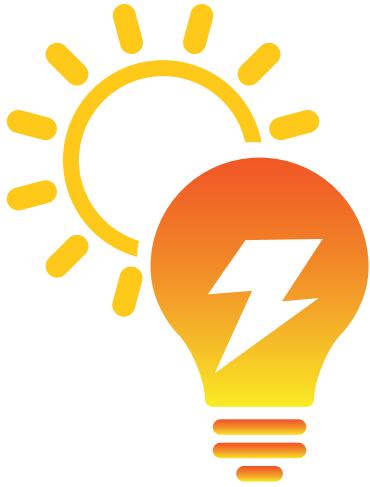
Silent Operation and no fumes.

Regulatory Approved cETLus for North America and CE approved for Europe.



PLUG N PLAY POWER MADE FROM THE SUN

The Home Solar Kits feature everything you need to produce your own power from the sun in one box. Combining DC-AC power inverters, batteries, AC chargers, solar charge controllers, and the connectors for your PV panel, the Home Solar Kits take the mystery out of sourcing all the components you require to produce your own energy



COMPLETELY SAFE FOR INDOOR USE

Unlike gas generators, the KISAE home solar kits are completely safe for indoor use, operating silently and producing no harmful fumes or emissions.



MODULAR DESIGN

The Home Solar Kit 1800 is designed for adding battery capacity, either by adding a KISAE Auxiliary Battery Box, or by connecting to your own 12V battery bank.



RELIABLE BACK-UP POWER PRODUCTS

KISAE Home Solar Kits are the ideal safeguard to have in your home for those times when the power goes out. Peace of mind comes from knowing that even in extreme weather conditions – when generated power normally fails – you will not be without lights or communications, and your food supply will stay refrigerated. A built-in transfer switch ensures that the loads will keep on running whether you are home when the power goes out or not.



Home Power Systems



Stand-Alone Power Systems

Fully Contained Kit - Modular Designs

Commercial / Residential Use

Home Power Systems - Solar	120 VAC Series			230 VAC Series		
	HS 400	HS 800	HS 1800	HS 400i	HS 800i	HS 1800i

AC Output

	HS 400	HS 800	HS 1800	HS 400i	HS 800i	HS 1800i
AC Output Power (Continuous)	400W	800W	1800W	400W	800W	1800W
AC Output Power (Peak)	800W	1600W	3600W	800W	1600W	3600W
AC Output Voltage/Frequency	120VAC / 60 Hz	120VAC / 60 Hz	120VAC / 60 Hz	230VAC / 50 Hz	230VAC / 50 Hz	230VAC / 50 Hz
AC Output Current	3.3A	6.7A	15.0A	1.7A	3.5A	7.8A
AC Output Waveform	Modified Sine Wave	Modified Sine Wave	Modified Sine Wave	Modified Sine Wave	Modified Sine Wave	Modified Sine Wave
Peak Efficiency	90%	90%	90%	90%	90%	90%
AC Output Socket	NEMA 5-15	NEMA 5-15	NEMA 5-15	Euro, Australia, UK	Euro, Australia, UK	Euro, Australia, UK

DC Output

	HS 400	HS 800	HS 1800	HS 400i	HS 800i	HS 1800i
USB Output	750mA	750mA	Not Applicable	750mA	750mA	Not Applicable
12V DC Lighter Socket	15A	15A	Not Applicable	15A	15A	Not Applicable

Display Panel

Indicator	Status
Digital Display (LED)	Input Voltage, Output Power, Battery Capacity, Warning & Error Code

AC Charger (built-in)

	HS 400	HS 800	HS 1800	HS 400i	HS 800i	HS 1800i
Charger Current	2A	2A	5A	2A	2A	5A
AC Input Voltage / Frequency	120Vac / 60Hz	120Vac / 60Hz	120Vac / 60Hz	230Vac / 50 Hz	230Vac / 50 Hz	230Vac / 50 Hz

AC Transfer Switch

	HS 400	HS 800	HS 1800	HS 400i	HS 800i	HS 1800i
Transfer Time	< 30ms	< 30ms	< 30ms	< 30ms	< 30ms	< 30ms
Transfer Relay Rating	10A	10A	15A	5A	10A	10A

Solar Charger (built-in)

	HS 400	HS 800	HS 1800	HS 400i	HS 800i	HS 1800i
Input Current	8A DC Maximum	8A DC Maximum	8A DC Maximum	8A DC Maximum	8A DC Maximum	8A DC Maximum
Charger Stages	Three-Stages	Three-Stages	Three-Stages	Three-Stages	Three-Stages	Three-Stages
Maximum Input Voltage	26V DC	26V DC	26V DC	26V DC	26V DC	26V DC

Battery

Type	Deep Cycle Sealed Lead Acid					
Capacity	12V 34Ah	12V 40Ah	12V 60Ah	12V 34Ah	12V 40Ah	12V 60Ah

Regulatory Compliance

Markings	HS 400	HS 800	HS 1800	HS 400i	HS 800i	HS 1800i
Conformance	cETLus UL & CSA Standards	cETLus UL & CSA Standards	cETLus UL & CSA Standards	CE LVD, EMC	CE LVD, EMC	CE LVD, EMC

Enclosure

	HS 400	HS 800	HS 1800	HS 400i	HS 800i	HS 1800i
Weight	31 lbs.	34.3 lbs.	76 lbs.	14.1 Kg	15.6 Kg	35.4 Kg
Dimension	10.5 x 6.2 x 10.0"	10.5 x 6.2 x 10.0"	14.5 x 10.5 x 14.0"	270 x 160 x 260mm	270 x 160 x 260mm	365 x 370 x 355mm

Solar Panel (included with HS1800)

Peak Power (Pmax)	80W (2 x 40W) Monocrystalline
Voltage (Vmp)	17.5VDC
Open Circuit Voltage (VOC)	21VDC
Current (Imp)	2 x 2.29A



HS1800-60-00:
1800W Home Solar Kit