



# Home Solar

## Plug & Play Series

**Home Solar HS 400**  
**Home Solar HS 800**



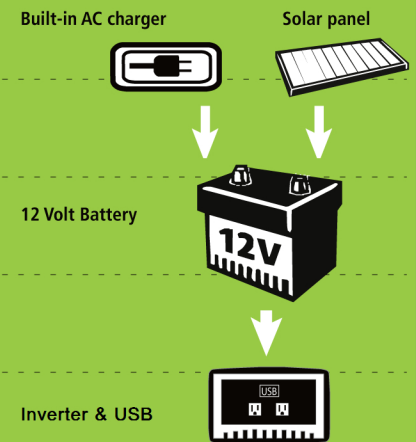
### Green Power for the rest of us

The first complete home solar power kit on the market

Generates 400 or 800 watts of power

Portable for easy use anywhere: camping, home or cabin

Recharge with solar panels



#### KISAE Home Solar Kit 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 back-up for grid-tie systems
- year-round, all-weather peace-of-mind
- simple plug & play system
- uninterruptible power- back up your vital applications, internal transfer switch changes to battery power automatically during power disruption

#### Product Features:

- 400W or 800W of power available from AC outlets to operate TV's, computers, lights, fans, radios, small tools and more
- combine with solar panel (sold separately) to recharge from the sun or from the wall with the built in AC-Charger

- for higher power tools and longer run time, try the KISAE HS 1800-60 1800W Home Solar Kit
- Dimensions: (L x W x H)  
10 1/2" x 6 1/4" x 10 1/4" (27 x 16 x 26 cm)
- Weight:  
TBD
- 1 Year Warranty

# Kisae Home Solar 400 - HS 400

# Kisae Home Solar 800 - HS 800

| Inverter Specifications         | HS 400                        | HS 800 |
|---------------------------------|-------------------------------|--------|
| Continuous power                | 400 W                         | 800 W  |
| Surge rating                    | 800 W                         | 1600 W |
| Output current - continuous     | 3.3 A                         | 6.6 A  |
| Output voltage                  | 120 Vac                       |        |
| Output waveform                 | Modified sine wave            |        |
| Peak efficiency                 | 90%                           |        |
| No-load battery draw (unit off) | <3W                           |        |
| Input operating voltage range   | 10.5 to 15.0 Vdc              |        |
| Transfer time                   | <30 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                  | 2 pc                          |        |
| AC input                        | NEMAS - 16 type               |        |
| AC input protection             | 8 A                           | 10 A   |

## AC Charger Specifications

|                          |                                       |
|--------------------------|---------------------------------------|
| Output current           | 2 A                                   |
| Regulated output voltage |                                       |
| Charge                   | 14.8 Vdc                              |
| Float                    | 13.5 Vdc                              |
| Recharge                 | 12.5 Vdc                              |
| AC input voltage         | 120 Vac 50/60 Hz                      |
| Charger efficiency       | 80% approximate                       |
| Charging type            | three-stage (bulk, absorption, float) |

## Solar Panel Charger Specification

|                            |                                       |
|----------------------------|---------------------------------------|
| Input current              | 8A Maximum                            |
| Regulated output voltage   |                                       |
| Charge                     | 14.8 Vdc                              |
| Float                      | 13.5 Vdc                              |
| Recharge                   | 12.6 Vdc                              |
| DC input voltage (Maximum) | 26 Vdc                                |
| Charger efficiency         | 90% approximate                       |
| Charging type              | three-stage (bulk, absorption, float) |

## 5V USB Specification

|      |            |
|------|------------|
| Type | 5V, 750 mA |
|------|------------|

## Battery Specification

|          |                              |          |
|----------|------------------------------|----------|
| Type A   | Deep cycle, sealed lead acid |          |
| Capacity | 12V 34Ah                     | 12V 40Ah |

Specifications subject to change without notice

## Regulatory Approval

Conforms to UL STD. 1778, UL 458  
 Certified to CSA STD. C22.2 No. 107.3-05

## BackUp Power Series Runtimes

| Office Applications | Watts | HS 400 Runtime | HS 800 Runtime |
|---------------------|-------|----------------|----------------|
| Laptop              | 65    | 2.5 hrs.       | 3 hrs.         |
| Inkjet printer      | 8     | 25 hrs.        | 32 hrs.        |
| Cell phone          | 5     | 45 hrs.        | 58 hrs.        |
| Table lamp          | 25    | 8 hrs.         | 11 hrs.        |
| 17" LCD monitor     | 35    | 6 hrs.         | 8 hrs.         |
| Table light 40 W    | 40    | 5 hrs.         | 6 hrs.         |
| Table light 60 W    | 60    | 3 hrs.         | 4 hrs.         |

## Emergency Power Applications

| Emergency Power Applications | Watts | HS 400 Runtime | HS 800 Runtime |
|------------------------------|-------|----------------|----------------|
| Home alarm system            | 4     | 53 hrs.        | 63 hrs.        |
| Cordless phone               | 5     | 45 hrs.        | 58 hrs.        |
| Clock radio                  | 8     | 25 hrs.        | 32 hrs.        |
| 13" CRT TV                   | 50    | 4 hrs.         | 5 hrs.         |
| 20" LCD TV                   | 40    | 5 hrs.         | 6 hrs.         |
| Sump pump (1/2 hp)           | 300   | N/A            | 36 min.        |

## How long will it provide power?

| How long will it provide power?               | HS 400 Runtime | HS 800 Runtime |
|---|----------------|----------------|
| Laptop, inkjet printer, modem, cordless phone | Up to 5 hrs.   | Up to 6 hrs.   |
| Cordless phone, 20"TV, radio and table lamp   | UP to 1.8 hrs. | Up to 2.2 hrs  |

## Recharging time

| Recharging time                         | 400W    | 800W    |
|---|---------|---------|
| using internal 2A Charger               | 20 hrs. | 24 hrs. |
| using 40W solar panel (sold separately) | 15 hrs. | 18 hrs. |



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