



Item no. 2548

# Solar e Power™ Case 450

Patent Pending

Self sustaining and scalable solar generator



Exclude laptop **CHARGE WITH...**

- 450W AC INVERTER**  
2 Universal Outlets  
11.5V (220V available on request)
- 12V DC OUTLET**  
15A Auto-reset circuit breaker
- 2 USB OUTLETS**  
5V 2.1A (total)
- DIGITAL LED DISPLAY**  
Shows battery charge status (voltage)
- 26 AH BATTERY**  
AGM/Gel Hybrid  
Ideal for deep cycle applications

**AC USES\*\***

2W, 62.5 Hrs	4W, 62.4 Hrs	10W, 23.5 Hrs
20W, 12.5 Hrs	20W, 9 Hrs	60W, 4 Hrs
65W, 3.5 Hrs	70W, 3.4 Hrs	200W, 1.3 Hrs

**DC USES\*\***

1.5W, 120 Hrs	6W, 46 Hrs	30W, 9.5 Hrs
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**CHARGE WITH...**

- Solar Power
- Expand with Solar Panels
- Expand with Batteries
- Included AC and DC Chargers



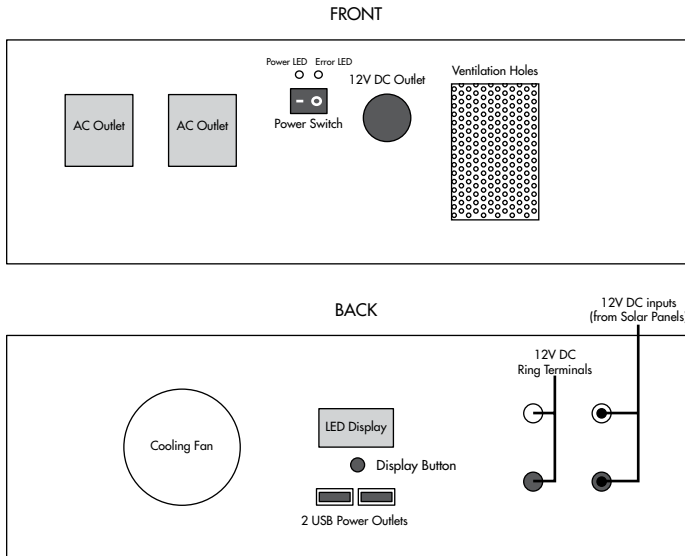
Fold and buckle solar panels to case for transport

- Additional solar panels can be connected for more power.
- Additional batteries can also be connected.
- Storage compartment
- Carrying handle and strap for transport
- Includes AC & DC chargers and cable connecting solar panels to case.

\* Product specifications and appearance may differ slightly from pictured. \*\* Actual performance may vary depending on load requirements. Sample wattages are estimates only.

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## FEATURES

- 450 watt power inverter
- Two 115 volt AC outlets (220V also available upon request)
- One 12 volt accessory outlet for powering DC appliance (loads up to 15 amps)
- 2 USB power ports for charging/operating cell phones, PDAs, MP3 players and tablet PCs
- AC recharging adapter
- DC recharging adapter (fused)
- Digital voltmeter for checking battery status

## CHARGING TIMES

- Initial AC charge: up to 24 hours
- Solar panel charging time: 20 hours peak sunlight

## SPECIFICATIONS

- Dimensions: 34.8 x 48.8 x 16.5 cm
- Weight: 18 kg (39.6 lbs)
- Warranty (excluding battery): 2 years

## CHARGING SYSTEM SPECIFICATIONS

Solar panel max output	2 x 20W (40W built-in)
Solar panel type	Monocrystalline
Solar panel efficiency	14%
Solar charge controller max input	5A
AC charger rated current	100~240V AC, 50/60Hz, 12V DC 3A
Max solar panel array power	Expandable up to 75W

## INVERTER SPECIFICATIONS

AC output voltage (nominal)	115V AC, 60Hz $\pm$ 5Hz (220V also available upon request)
AC output power capacity (continuous)	450W (800 peak)
AC output waveform	Modified sine wave
Operating/ storage temperature	32-104 °F (0-40 °C)
Maximum Inverter Efficiency	90%
No load current	<0.3A
Low voltage alarm	10.5 $\pm$ 0.5V
Low voltage shutdown	9.5 $\pm$ 0.5V

## 12-VOLT DC SPECIFICATIONS

Internal battery type	Sealed AGM/Gel Hybrid
Internal battery voltage (nominal)	12V DC
Internal battery capacity	26 Ah
Maximum load current through 12-volt DC power socket (continuous)	15A
DC Power Socket circuit breaker rating (internal, automatic reset)	15A
USB max output current	2.1A

## SAMPLE AC APPLIANCE TIMES

AC Powered Products	Watts	Estimated Operating time
LED Bulb	3	62.5 hours
Radio	4	62 hours 24 minutes
Portable stereo	20	12 hours 28 minutes
Laptop computer	45	5 hours 33 minutes
19" Color TV	160	1 hours 27 minutes
Computer with 15" monitor	200	1 hours 15 minutes

## SAMPLE DC APPLIANCE TIMES

DC Powered Products	Watts	Estimated Operating time
Cellular telephone	6	46 hours
Fluorescent light	8	35 hours
Portable cooler	30	9 hours 22 minutes

- Power usage listed are average. Check your appliance rating for more accurate time estimates.
- Operating times assume a fully charge battery and may vary based on model/brand used.
- Uses the latest in battery technology, combining the charging characteristics and compatibility of AGM valve regulated sealed lead-acid batteries with the improved performance of gel batteries in low discharge rate and high ambient temperature applications.