

# Solar e Power™ Cube 1500

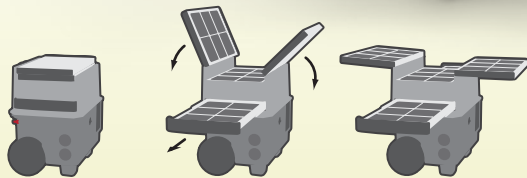
China Design Patent: ZL 2010 3 0642300.2



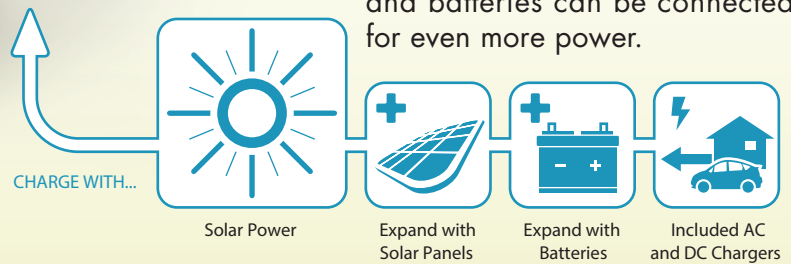
## Portable and Renewable Power Source

The Solar e Power Cube 1500 is the ultimate portable power source. Charge up the internal battery with the fold-out and slide-out solar panels. You can also charge with a home AC outlet or vehicle DC outlet. Then run your AC, USB, or DC devices from anywhere.

Additional separate solar panels and batteries can be connected for even more power.



UNFOLD AND SLIDE OUT SOLAR PANELS



### 1500W AC INVERTER

2 Universal Outlets  
115V (220V available on request)



### 12V DC OUTLETS

2 Outlets, each with 15A  
Auto-reset circuit breaker



### 2 USB OUTLETS

5V 2.1A (total)



### DIGITAL LED DISPLAY

Shows battery charge status  
(voltage)



### 55 AH BATTERY

AGM/Gel Hybrid  
Ideal for deep cycle applications

#### AC USES\*\*



#### DC USES\*\*



Collapsible Handle & Wheels for Transport



5x 16W Solar Panels



DC Terminals



Terminals for Solar Panel Expansion



Storage Compartment

\* 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

- 1500 watt power inverter
- Two 115 volt AC outlets (220V also available upon request)
- Two 12 volt accessory outlet for powering DC appliance (loads up to 15 amps)
- Two 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: 18 hours peak sunlight

## SPECIFICATIONS

- Dimensions: 53 × 53 × 37 cm
- Weight: 38.2 kg (84 lbs)
- Warranty (excluding battery): 2 years

## CHARGING SYSTEM SPECIFICATIONS

Solar panel max output	5 × 16W (80W built-in)
Solar panel type	Monocrystalline
Solar panel efficiency	17%
Solar charge controller max input	10A
AC charger rated current	100~240V AC, 50/60Hz, 12V DC 5A
Max solar panel array power	Expandable up to 150W

## INVERTER SPECIFICATIONS

AC output voltage (nominal)	115V AC, 60Hz ± 4Hz (220V also available upon request)
AC output power capacity (continuous)	1500W (3600 peak)
AC output waveform	Modified sine wave
Operating/ storage temperature	32–104 °F (0–40 °C)
Maximum Inverter Efficiency	90%
No load current	< 0.7A
Low battery alarm (nominal)	10.5V ± 0.5V
Low battery shutdown (nominal)	9.5 ± 0.5V

## 12-VOLT DC SPECIFICATIONS

Internal battery type	Sealed AGM/Gel Hybrid
Internal battery voltage (nominal)	12V DC
Internal battery capacity	55 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	Est. Operating time
3W LED Bulb	3	165 hours
Radio	4	123 hours
Wireless Router	10	55 hours
Portable Stereo	20	25 hours
40W Light Bulb	40	12 hours 22 minutes
Laptop Computer	45	12 hours
Thermo-Fridge/Warmer	60	8 hours
19" TV (Cathode Ray Tube)	70	7 hours
Fax Machine <sup>1</sup>	120	4 hours
Computer with 15" Monitor	200	2 hours
Conventional Refrigerator/ Freezer (20 cu ft)	540	55 minutes
Microwave Oven <sup>1</sup>	1000	8 minutes

<sup>1</sup> Assumes continuous operation

## SAMPLE DC APPLIANCE TIMES

DC Powered Products	Watts	Estimated Operating time
Cellular telephone <sup>1</sup>	6	82 hours
Fluorescent light	8	60 hours
Portable cooler	30	18 hours
Tire inflator	100	4 hours 30 minutes

<sup>1</sup> Assumes continuous operation (send or receive)

- Power usage listed are average. Check your appliance rating for more accurate time estimates.
- Operating times assume a fully charged 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.