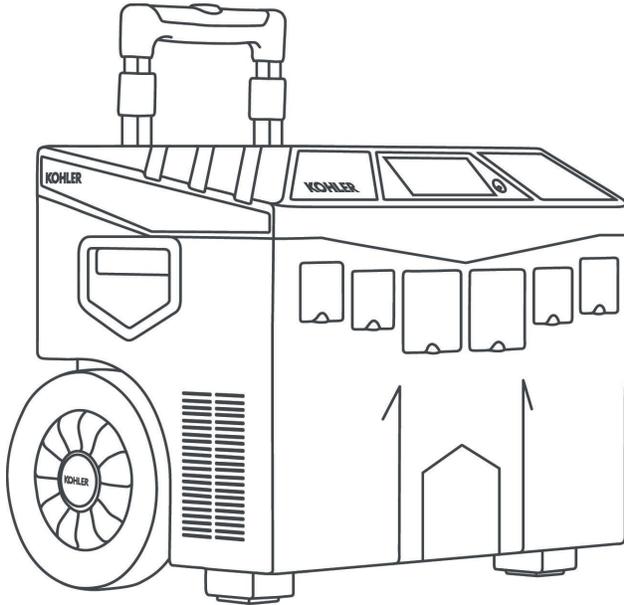


Model: **enCUBE1.8**

Portable Battery Inverter Generator

**KOHLER**<sup>®</sup>

**ISO 9001**  
KOHLER  
POWER SYSTEMS  
NATIONALLY REGISTERED



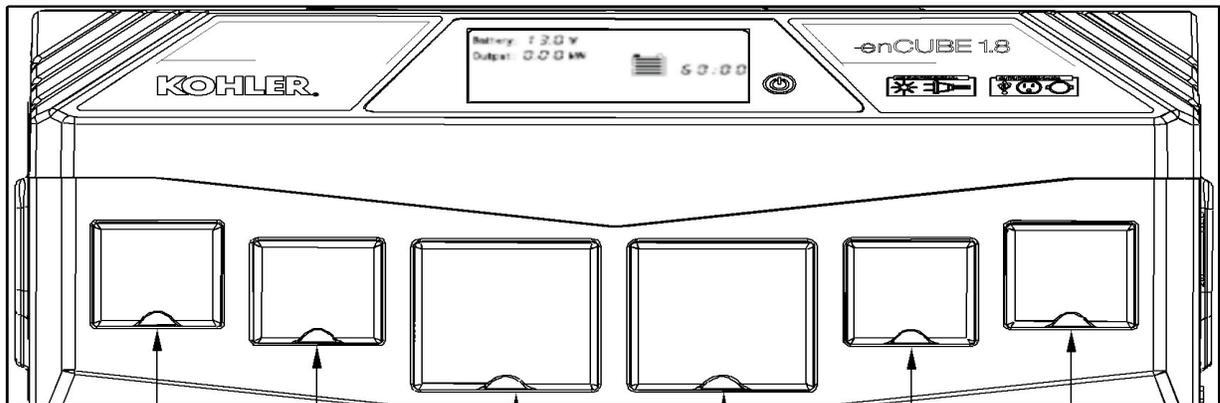
## Description

The enCUBE™ is an indoor/outdoor portable battery inverter generator, ideal for camping, tailgating, job site usage or home backup during an outage. Producing 120 VAC and 5 and 12 VDC power, the enCUBE can be used to power up to 1440 continuous watts, 1800 maximum watts. Rechargeable either through a 120 V power cord plugged into a standard wall outlet or optional solar panels available in 60 W and 150 W sizes.

## Standard Features

- **Portable**  
Designed for power on the go, enCUBE comes with a built-in retractable handle, wheels and recessed side handles.
- **Safe Design**  
With no engine or fueling, enCUBE is a clean power source with no emissions. Unlike traditional engine-powered generators, enCUBE can be safely used indoors. GFCI-protected AC outlets and low voltage auto shutdown protect your items and the battery.
- **Rechargeable**  
Recharges from a standard 120 V wall outlet (cord included) or optional solar panels available in 60 W and 150 W configurations. Can be charged and discharged simultaneously.
- **Control Panel**  
4 inch LCD display provides real time status on power inputs, outputs and runtime available.
- **Silent**  
Unlike engine-powered generators, enCUBE is powered by a battery and operates without noise.
- **Storage**  
Built-in storage lid provides place for keys, power cords and personal electronics.
- **UL 1778 / CSA listed / NEMA 1 Indoor Rated**
- **3-Year Limited Warranty\***

## Control Panel



2 X USB Ports (5 VDC) for powering small electronics

2 X 120 VAC outlets for powering large electronics, appliances and tools

2 X 12 V outlets for powering small & medium sized electronics.

\* 90-day warranty if used in preferred condition.

## Performance Specifications

| Parameter                   | Inverter                                     |
|-----------------------------|--|
| Voltage                     | 120 VAC                                      |
| Frequency                   | 60 Hz  |
| Continuous Output           | 1440 W (12 A)                                |
| Maximum Output              | 1800 W (15 A) 10 min<br>3600 W (30 A) 300 ms |
| Output Waveform             | Modified Sine Wave                           |
| Operating Temperature Range | 0°C - 40°C (32°F-104°F)                      |

|            |                                |
|------------|--------------------------------|
| Protection | - Low Battery Voltage Shutdown |
|            | - High Temperature Protection  |
|            | - Overload Protection          |
|            | - Short Circuit Protection     |
|            | - GFCI Protection              |

|                |   |
|----------------|---|
| Battery Type   | Maintenance free sealed AGM lead acid battery |
| Battery Size   | 12 V 100 AH                                   |
| Battery Weight | 67 lbs  |
| Terminal Type  | T11   |

| Parameter           | AC Charging Input   |
|---------------------|---------------------|
| AC Charging Input   | 90-130 VAC          |
| Charging Process    | Three Stage Process |
|                     | - Bulk Stage        |
|                     | - Absorption Stage  |
|                     | - Float Stage       |
| Exchange Efficiency | >75%                |

| Parameter                        | DC Charging Input                                       |
|----------------------------------|---|
| DC Charging Input (Solar Panels) | 10-24.5 VDC   |
| Charging Process                 | Three Stage Process                                     |
|                                  | - Bulk Stage  |
|                                  | - Absorption Stage                                      |
|                                  | - Float Stage   |
| Exchange Efficiency              | >95%  |
| Fuse                             | One 20 A / 32 VDC fuse protecting the DC input terminal |

| Parameter              | Charging Times   |
|------------------------|--|
| 120 VAC                | Under 13 Hrs* (Over time, battery may build up resistance and take longer to fully charge) |
| Solar Charging         | 24+ hours depending upon region of use and sun intensity.                                  |
| Warranty - Residential | 3 years  |
| Warranty - Commercial  | 90 days  |

## Box Contents

- Battery Inverter
- 120 V, 6 Foot Power cord
- Operation Manual

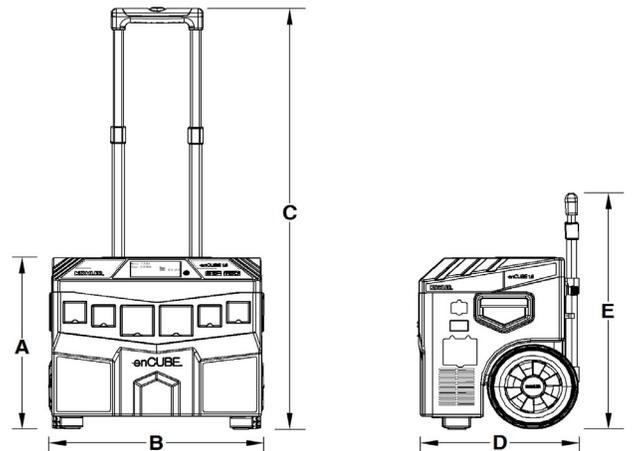
## Available options

- 25 Foot Solar Panel Connection Cord
- 60 Watt Solar Panel
- 150 Watt Solar Panel
- Panel Parallel Connector Kit

NOTE: Panels can be combined for maximum charging (limited to 240 watts)

## Generator Set Dimensions and Weights

|             |            |                  |            |
|-------------|------------|------------------|------------|
| A mm (in.): | 406 (16)   | Weights lbs (kg) |            |
| B mm (in.): | 470 (18.5) | Gross weight :   | 116 (52.6) |
| C mm (in.): | 991 (39)   | Net weight :     | 109 (49.4) |
| D mm (in.): | 356 (14)   |                  |            |
| E mm (in.): | 559 (22)   |                  |            |



NOTE: Dimensions are provided for reference only and should not be used for planning installation. Contact your local distributor for more detailed information.

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