ECOBOXX 1500 SOLAR GENERATOR KIT

GET TO KNOW YOUR ECOBOXX

CHARGE IT
• The Ecoboxx 1500 can be powered completely from solar power or via an AC charger.

PLUG IT
• The Ecoboxx 1500 is capable of charging devices through AC, DC or USB outlets.

GETTING STARTED
1. Charge your Ecoboxx 1500 through the input port.
2. Recharge from 130W solar panel kit or an AC charger.
3. Position the 130W solar panels at an angle facing the sun (see below).
4. Connect the Ecoboxx 1500 (via Anderson plug connector) to the optional Ecotank or a 12V 100-300 Ah lead acid (AGM) battery to start charging.

HOW TO USE YOUR ECOBOXX 1500
1. AC output port: Use any AC device up to 1500 watts.
2. USB output port: Accepts any standard USB cable for charging USB devices.
3. DC Car/Cigarette output port: Connect 12V devices.
4. DC 6mm output port: Connect LED lighting.

HOW TO USE YOUR 130W SOLAR KIT
• Bracket Holes: use the brackets on the side of your panel to hang or affix permanently.
• Power Cable: 5-meter cable included.

FREQUENTLY ASKED QUESTIONS

ECOBOXX 1500
What else do I need, to have a 1500W stand alone solar power system?
All you require is the optional Ecotank or a 12V 100-300 Ah lead acid (AGM) battery.
Can I add more power?
Chainable connect AGM batteries to a maximum of 300 Ah.
Can I use both the 12V and 230V outlets at the same time?
Yes.
Why does the battery indicator drop when I plug in my devices?
When using higher powered electronics, battery meter shows reduced capacity. This is normal. To see actual amount of power remaining in the battery, unplug all devices and wait 60 seconds.
Is it weatherproof?
The Ecoboxx will hold up in inclement weather, but is not waterproof. Ensure the ports are dry before using.

130W SOLAR PANEL KIT
Is the solar panel kit waterproof?
Yes, The solar panel kit is weatherproof however ensure the connection port is dry before connection to the Ecoboxx.
Does the solar panel kit give a full 130 Watts of power?
It delivers up to 130 Watts of power, but the angle of the panels and the cloud coverage can impact its performance. Avoid the shade. It will not work indoors.

FRONT PANEL

<table>
<thead>
<tr>
<th>3 x USB Outputs</th>
<th>Individual USB, 12V, DC Port Power Switches (master switch must be on)</th>
<th>LCD Display</th>
<th>Charging Back Light Switch</th>
<th>Indicator Light</th>
<th>Master Power Switch</th>
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</thead>
<tbody>
<tr>
<td>1x Anderson Mini Output</td>
<td>3 x DC Outputs</td>
<td>LCD Display</td>
<td>Individual AC Port Power Switch (master switch must be on)</td>
<td>2 x AC Outlets (230V, 15A)</td>
<td></td>
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</tbody>
</table>
### TECHNICAL SPECS

#### USAGE
- **Charges from the following:**
  - 130W solar kit: Approx. charge time (based on a 100Ah lead acid AGM battery) 6-8 hours
  - AC wall charger: 4-5 hours

#### INPUTS
- **Charging port (5mm):** 16–26V, 20A max
- **Solar Panel:**
  - Rated Power: 120W
  - Cell type: mono-crystalline
  - Open circuit voltage: 21.6V

#### OUTPUTS
- **AC (230V/50Hz):** 2 x 15A outlets, 1500W max total continuous, pure sine wave
- **USB ports:** 3 x 5V outlets, 1.5A (7.5W) each, regulated
- **12V port (6mm):** 2 x 6A outlets, unregulated
- **12V cigarette output port:** 1 x 10A max, unregulated
- **12V Anderson Port:** 1 x 33A max, unregulated

#### INTERNAL
- **Inverter:** 1500W pure-sine wave inverter
- **Charge Controller:** 20A MPPT (Maximum Power Point Tracking)
- **Fuses:** 200A (4 x 50A fuses in parallel)

#### GENERAL
- **Weight:**
  - Ecoboxx 1500: 9.5 kg
  - Solar panel kit: 14 kg
- **Dimensions:**
  - Ecoboxx 1500: 410 x 130 x 420 mm
  - Solar panel kit: 780 x 40 x 675 mm (each)
- **Warranty:** 12 months
- **Tested and Certified:** SAA, CE
- **Operating usage temp.:** 0˚–40˚C
- **Optimal storage temp.:** 21˚C

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#### LCD DISPLAY PANEL
- **Input Status**
- **Charging Display & Battery Level**
- **Output Load AC/DC**

#### CHARGING INPUT
- **2 x Solar/DC Inputs**
- **Anderson Mini Input**

#### BATTERY CHARGING CHAIN
- Please ensure correct polarity before connection.