We Care Solar Expanded Suitcase
2017 Product Specifications
www.wecaresolar.org

Solar Suitcase
(WCS-200)

Advanced solar controller, ports and plugs, in watertight and
dust-proof high-quality suitcase, made to hold up in harsh
environments. System contains an integrated 12V, 12.8Ah battery,
which is charged by a solar panel. Suitcase has 2 WCS Lighting
Connectors, two 12VDC Accessory (lighter) Sockets, and two
Expansion Ports to allow for optional accessories. A homerun
cable and installation hardware are included.

<table>
<thead>
<tr>
<th>Size and Weight</th>
<th>Power</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height: 19.75 inches (501.6 mm)</td>
<td>Max. Power: 180 watts</td>
</tr>
<tr>
<td>Width: 15.53 inches (394.4 mm)</td>
<td>Max. Current: 15 amps</td>
</tr>
<tr>
<td>Depth: 7.48 inches (190 mm)</td>
<td>Operating Voltage: 11.4 to 14.4 volts</td>
</tr>
<tr>
<td>Weight: 30 pounds (13.6 kg)</td>
<td>Operating Temp.: 0°C to 45°C</td>
</tr>
</tbody>
</table>

Hi-Efficiency Lights

Two high-efficiency, rugged, 4W LED lights provide over 325
lumens each and have a color-rendering capacity optimized
for medical use. The lights connect to the suitcase via the WCS
Lighting Connectors. They run directly on 12VDC and are designed
by WCS to withstand exposure to heat, moisture and dirt.

<table>
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<tr>
<th>Size and Weight</th>
<th>Power</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height: 5 inches (127 mm)</td>
<td>Load: 4 watts</td>
</tr>
<tr>
<td>Width: 2.2 inches (56 mm)</td>
<td>CRI: &gt;85 (Ra)</td>
</tr>
<tr>
<td>Depth: 0.9 inch (23 mm)</td>
<td>Color Temperature: 5000° K</td>
</tr>
<tr>
<td>Cord: 33 feet (10m)</td>
<td>Life Expectancy: 50,000 hours</td>
</tr>
</tbody>
</table>

Phone Charger

Both a USB > microUSB cable, and a 10-in-1 USB cable are
supplied, supporting charging of a wide variety of cell phones.

Headlamps

Adjustable headlamps are equipped with LEDs and are charged
by a micro-USB cable. The micro-USB cable plugs into a 12V USB
adaptor included in the Solar Suitcase.
Fetal Doppler and Battery Charger

A portable fetal heart rate Doppler allows health providers to detect the fetal heart rate. The fetal Doppler uses rechargeable AA batteries. A Tenergy AA/AAA battery charger is used to charge batteries. Four rechargeable AA batteries are included.

Battery

One Lithium Ferrous Phosphate (LFP) battery provides lightweight and rugged energy storage.

Size and Weight
- Height: 4 inches (101.6 mm)
- Width: 6 inches (152.3 mm)
- Depth: 4 inches (101.6 mm)
- Weight: 3.75 pounds (1.7 kg)

Energy
- Max Capacity: 153.6 watt-hours
- Usable Capacity: 153.6 watt-hours
- Life Expectancy: 4-7 years

Solar PV Panels

Aluminum Framed Solar Panels can be ordered in a range of sizes. These can be sourced from our in-country suppliers or directly from We Care Solar.

Energy
- Power: 40-250 W
- Max Current: 15 A
- Voltage: 12V (nominal)
- Life Expectancy: >10 years

Light Expansion Box

The Light Expansion Box (SAT-100) provides switches and sockets that can be installed in a room up to 10 meters from the Solar Suitcase. The box supports 2 additional lights and connects to the Solar Suitcase via the expansion socket located on the Solar Suitcase control panel.