



We Care Solar

2011 Product Specifications

www.wecaresolar.org

Solar Suitcase

(WCS-100)



Advanced solar controller, ports and plugs encased in watertight and dust-proof high-quality suitcase made to hold up in harsh environments. Supports external charge from any source and can accommodate up to two 12V 15Ah batteries for energy storage. Has one set of WCS Lighting Connectors, one set of “lighter sockets” and one set of binding posts.

Size and Weight

Height: **19.75** inches (501.6 mm)
Width: **15.53** inches (394.4 mm)
Depth: **7.48** inches (190 mm)
Weight: **28** pounds (12.7 kg)

Power

Max. Power: **180** watts
Max. Current: **15** amps
Operating Voltage: **11.5 to 14.0** volts
Operating Temperature: **-30° to 60° C**

Bright Lights

(BL)



Two high-efficiency, rugged and water-resistant LED lights – one 9 LED and one 18 LED – provide a super-bright, cool white spectrum and range for medical procedures. Connects to the suitcase via the WCS Light Connector interface.

9 LED

Size and Weight

Height: **3** inches (76.1 mm)
Width: **2.25** inches (57.1 mm)
Depth: **1** inch (25.4 mm)
Cord: **20** feet (6m)

Power

Max. Load: **2** watts
Max. Current: **.2** amps
Color Temperature: **5400° to 5600° K**
Life Expectancy: **70,000** hours

18 LED

Size and Weight

Height: **4.5** inches (114.3 mm)
Width: **2.25** inches (57.1 mm)
Depth: **1** inch (25.4 mm)
Cord: **20** feet (6m)

Power

Max. Load: **3.6** watts
Max. Current: **.3** amps
Color Temperature: **5400° to 5600° K**
Life Expectancy: **70,000** hours

Satellite Light Kit

(SATKIT)



Extends the reach of the suitcase by providing a switched box with two WCS Light Connectors to extend lights to a second room.

Size and Weight

Height: **4.5** inches (11.4 cm)
Width: **4.5** inches (11.4 cm)
Depth: **2.5** inches (6.4 cm)
Weight: **1** pound (0.5 kg)

Energy

Max. Power: **4-72** watts
Max. Current: **4-6** amps



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Maternal Health Kit (MHK)

Portable fetal heart rate doppler runs on rechargeable AA batteries included in the kit.



Size and Weight

Height: **6.5** inches (14 cm)
Width: **4** inches (9.5 cm)
Depth: **2.5** inch (2.5 cm)
Weight: **.65** pounds (0.3 kg)
Run-time: **6** hours

Battery (15AH)

Sealed lead-acid AGM battery fits directly into the suitcase.



Size and Weight

Height: **4** inches (101.6 mm)
Width: **6** inches (152.3 mm)
Depth: **4** inches (101.6 mm)
Weight: **10** pounds (4.5 kg)

Energy

Max Capacity: **180** watt-hours
Usable Capacity: **120** watt-hours
Life Expectancy: **2** years

Power Panels (20WPV)

Each of our monocrystalline solar panels made on durable G-10 plastic fits directly into the suitcase.



Size and Weight

Height: **17.5** inches (44.45 cm)
Width: **13** inches (33 cm)
Depth: **1/8** inch (3.17 mm)
Weight: **2** pounds (.90 kg)

Energy

Max. Output: **20** watts
Max. Current: **1.2** amps
Voltage: **12** volts nominal
Life Expectancy: **20** years