



We Care Solar

PRODUCT SPECIFICATIONS

WCS SOLAR SUITCASE LEARNING KIT
(SLK) www.wecaresolar.org

The WCS Solar Learning Kit education model is optimized as a hands-on STEM learning kit for students. The kit comes un-assembled as a package that includes everything required to build a stand-alone 12-Volt DC solar power system. When assembled and quality checked, your students can take real time measurements to see how electrical energy flows in and out of the different components of a 12-volt DC solar power system. A portion of each solar suitcase learning kit program goes to deploy a more robust deployment solar suitcase to schools and health clinics in energy scarce regions across Africa.



DIMENSIONS

HEIGHT: 6.4" (16.2 cm) WIDTH: 17.5" (44.5 cm) DEPTH: 12.0" (30.5 cm)
WEIGHT: 12lbs (5.4 kg)

ELECTRICAL SPECIFICATIONS

POWER GENERATION: 100W, 12V, 8A ENERGY STORAGE: 64Wh, 12.8V, 5Ah POWER OUTPUT: 48W, 12V, 4A

WSS Solar Suitcase Learning Kit – (WSS-SLK-100)

KIT COMPONENTS:

- Solar Panel: 12V, 10W
- Lithium Battery: 12.8V, 5Ah, 64Wh
- Charge Controller: 12V/24V, 10A,
- 50VDC Assembly Guide
- LED Light Bulb (5W), Light Cord, and Hanger
- Two Mini Solar Panels + Mini Motor: 2V, 200mA
- Digital Multimeter
- Wires and Electrical Components
- Screwdriver
- Metal Chassis
- Storage: Plastic Kit Box, Parts & Tools Box and Bag

