



Spare Parts for the Solar Suitcase

The Solar Suitcases are built with the highest quality parts that are designed with durability in mind. However, we understand that sometimes replacement parts are needed. The list below is a guide for where to find spare parts for the Solar Suitcase.

Item	Details/Specifications	Where to Find
Main battery	<ul style="list-style-type: none"> • Compatible with both lithium ferrous phosphate (LFP) batteries and sealed lead acid batteries (SLA). • LFP batteries are what is included with the Solar Suitcase have a lifespan of approximately 5 years, while the lifespan of an SLA battery is approximately 2 years • Nominal 12V, 12-22Ah, F2 terminals • Acceptable form factor for larger battery is around 181mm x 77mm x 167mm, +/-1mm for all dimensions. For smaller battery, 150mm x 98mm x 95mm, +/-1mm • Recommended brands: Starkpower, Leoch 	<ul style="list-style-type: none"> • LFP batteries may be available online • SLA batteries may be available locally
Solar panel	<ul style="list-style-type: none"> • 100-125 watts • Nominal 12V or nominal 24V • Open circuit voltage should be under 46V • Connector type should be MC4 	<ul style="list-style-type: none"> • May be available locally
Homerun cable	<ul style="list-style-type: none"> • Specially designed for the Solar Suitcase 	<ul style="list-style-type: none"> • Each We Care Solar Spare Parts Kit includes one homerun cable
LED lights	<ul style="list-style-type: none"> • Specially designed for the Solar Suitcase 	<ul style="list-style-type: none"> • Each We Care Solar Spare Parts Kit includes four LED lights

Headlamps	<ul style="list-style-type: none"> • The headlamp that comes with the Suitcase is powered by a micro-USB charger • Headlamps powered by AA or AAA batteries will also work, as the battery charger that comes with the Solar Suitcase can take both AA and AAA <i>rechargeable</i> batteries (see below) • Recommended brands: Black Diamond, Petzl, Princeton Tec, Foxelli 	<ul style="list-style-type: none"> • Each We Care Solar Spare Parts Kit includes four headlamps • May be locally available
Rechargeable AA/AAA batteries	<ul style="list-style-type: none"> • AA and AAA rechargeable batteries • Says “rechargeable” on the side of the battery • Recommended brands: Duracell, Eneloop, Energizer, Tenergy 	<ul style="list-style-type: none"> • May be locally available
Rechargeable AA/AAA battery charger	<ul style="list-style-type: none"> • Capable of charging AA or AAA batteries • Should come with either a 12v DC or a USB charger • Recommended brand: Tenergy 	<ul style="list-style-type: none"> • Each We Care Solar Spare Parts Kit includes four battery chargers • May be available online
Fetal Doppler	<ul style="list-style-type: none"> • Powered by rechargeable AA or AAA batteries • Recommended brand: Hi Bebe Bistos 	<ul style="list-style-type: none"> • Each We Care Solar Spare Parts Kit includes four fetal Dopplers • May be available online

In addition to the individual items provided in the spare parts kit, we typically send one extra Solar Suitcase for every 50 Solar Suitcases ordered. Thus, for each spare Solar Suitcase you will have a complete set of replacement parts.

If you cannot find a part locally, shipping is unavailable to your area, or you require a part that is not listed above, contact We Care Solar at info@wecaresolar.org for information on how to obtain a replacement.