

## SolarTech Power Solutions

# Mobile power box effect



## Overview

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How do portable power stations work?

Let's break down the basics to give you a clearer picture of how portable power stations work. A portable power station primarily consists of three key components: the battery, inverter, and charging unit. The battery is the heart of the power station. It's often a lithium-ion or lithium-polymer battery that stores energy for later use.

Why should you buy a portable power station?

Bring big backup power with you with these expert-recommended portable power stations, which can store enough power to charge electronics, appliances, and more.

Are Lex portable power distribution boxes waterproof?

Lex products portable power distribution units have NEMA 3R, 3R Weather Resistant or 3R Rainproof environmental ratings depending on the distro box. The indoor distro boxes have a NEMA 1 Indoor environmental rating, like the versatile 100 amp 3 phase PowerHOUSE™ Pagoda portable distribution box.

How long does a portable power station last?

A portable power station's lifespan depends on the type of battery inside. Most new portable power stations, including all the models we recommend here, feature LiFePO4 battery technology, which lasts far longer than older lithium-ion technology. How much more?

LiFePo4 power stations will last for more than 3,000 charge cycles, or about 10 years.

What are the components of a portable power station?

A portable power station primarily consists of three key components: the battery, inverter, and charging unit. The battery is the heart of the power

station. It's often a lithium-ion or lithium-polymer battery that stores energy for later use. This is the same technology found in your smartphone, ensuring a compact and efficient power source.

How many amps does a power distribution box have?

Our power distribution boxes range from 20-800 Amps and are well known for being durable, long lasting and safe. Load Master™ Series portable power distribution boxes are the first in the industry to feature outputs with adjustable current ratings to match specific application loads.

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## Contact Us

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