

## ContainerPower Energy Solutions

# Can an outdoor power supply discharge two kilowatt-hours of electricity



100KWH/215KWH

LIQUID/AIR COOLING

IP54/IP55

BATTERY 6000 CYCLES

## Overview

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What is energy storage capacity in kilowatt hours?

The size of an energy storage unit is not given in kWp but in kWh, i.e., in kilowatt hours. This storage capacity shows how much energy can be absorbed or released during a certain period. The quantity for this is the hour, i.e., how much energy can be provided in one hour.

How long can a solar storage unit store 1 kilowatt of power?

A solar storage unit with a capacity of 11 kWh can therefore deliver or store 1 kilowatt of power for 11 hours. Our 11 kWh sonnenBatterie 10 can provide up to 4.6 kW of power at one time, therefore it is full in just under two and a half hours, given that it is charged at full power.

What is the difference between energy and kWh?

Energy, on the other hand, is more a measure of the 'volume' of electricity – power over time. You'll usually hear (and see) energy referred to in terms of kilowatt-hour (kWh) units.

How much energy can a battery store?

Similarly, the amount of energy that a battery can store is often referred to in terms of kWh. As a simple example, if a solar system continuously produces 1kW of power for an entire hour, it will have produced 1kWh in total by the end of that hour.

What are kilowatts & kWh?

If you're shopping around for solar panels or battery storage for your home, you're undoubtedly come across the terms 'kilowatt' (abbreviated as kW) and kilowatt-hour (kWh). These terms might be a bit confusing at first, so we've written this article to explain these terms and make them easy to understand.

What does kilowatt-hour (kWh) mean on your energy bill?

You'll usually hear (and see) energy referred to in terms of kilowatt-hour (kWh) units. The place you'll see this most frequently is on your energy bill – most retailers charge their customers every quarter based (in part) on how many kWh of electricity they've consumed.

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