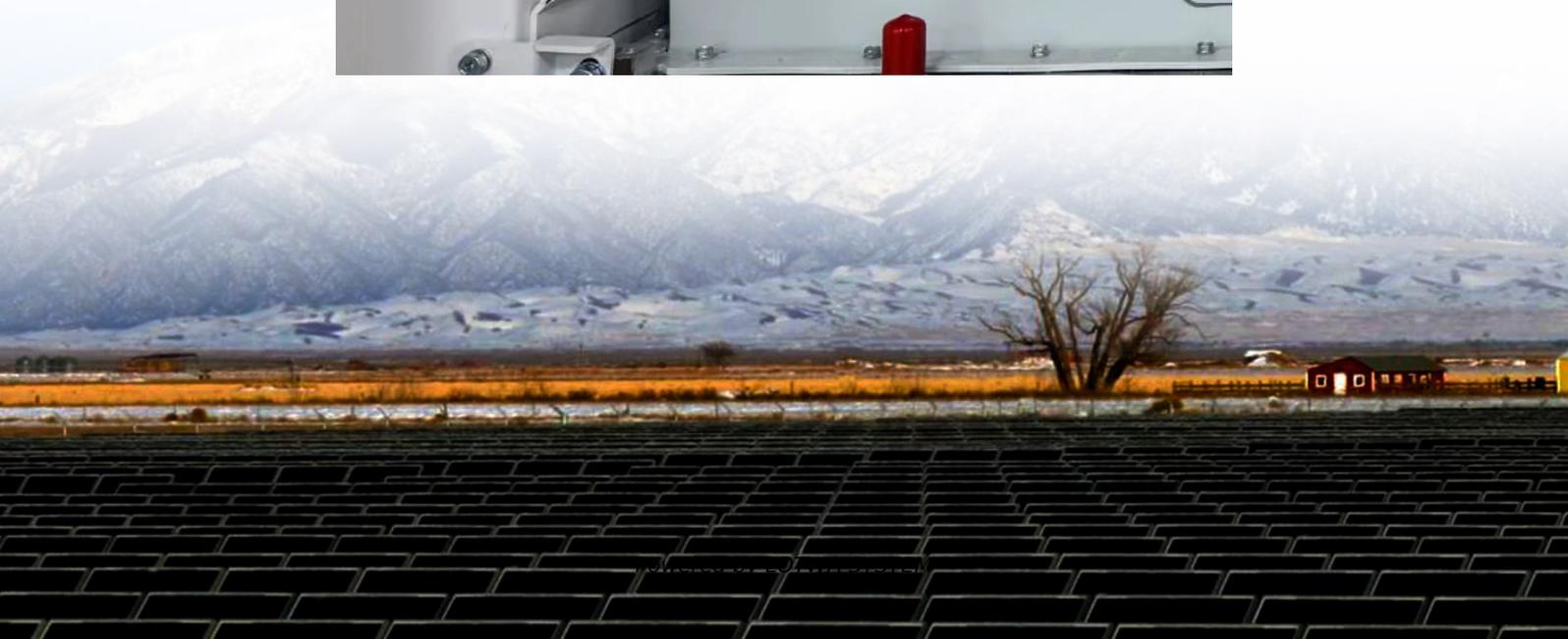
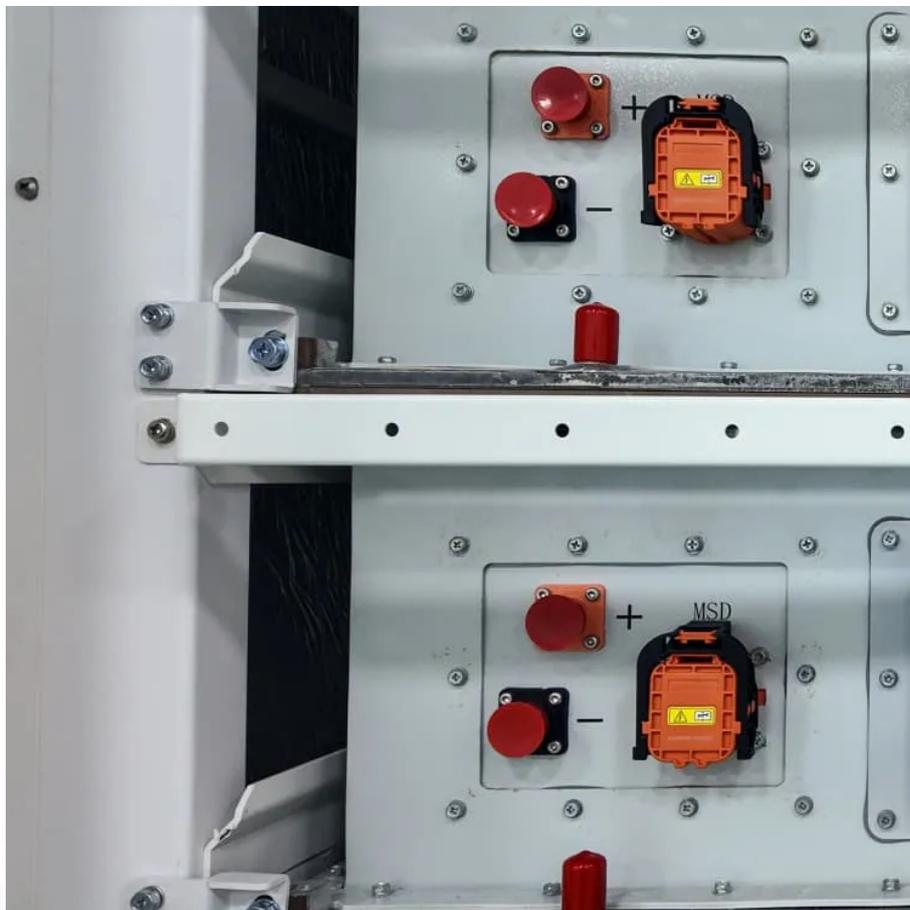


# The difference between 1c and 2c energy storage costs





## Overview

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Which battery storage systems are 0.5c rate?

Browse our new range of commercial battery storage systems: Dunext, Huawei FusionSolar, and Sungrow - all systems are 0.5C Rate. Alternergy also supplies a wide range of residential battery storage solutions, designed to provide efficient and reliable energy storage for homes.

What is a 1C charge rate?

For example, a 1C rate means charging or discharging the battery to its full capacity in one hour, regardless of its capacity. For a battery with a capacity of 45Ah, a 1C rate equates to a discharge current of 45A; for a 10Ah battery, discharging at 1C rate means a discharge current of 10A. In both cases, the discharge time are the same, one hour.

What is the difference between 1C rate and 10AH battery?

For a battery with a capacity of 45Ah, a 1C rate equates to a discharge current of 45A; for a 10Ah battery, discharging at 1C rate means a discharge current of 10A. In both cases, the discharge time are the same, one hour. 1. Battery Capacity: The C-rate is closely related to battery capacity.

What is the difference between 1c discharge and 1/2 discharge?

If the capacity is fully discharged in 1 hour, it is called 1C discharge; if it is fully discharged in 2 hours, it is called  $1/2=0.5C$  discharge. Generally, the capacity of the battery can be detected by different discharge currents. For a 24Ah battery, the 1C discharge current is 24A, and the 0.5C discharge current is 12A.



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Energy storage container charging and discharging rate 1c

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