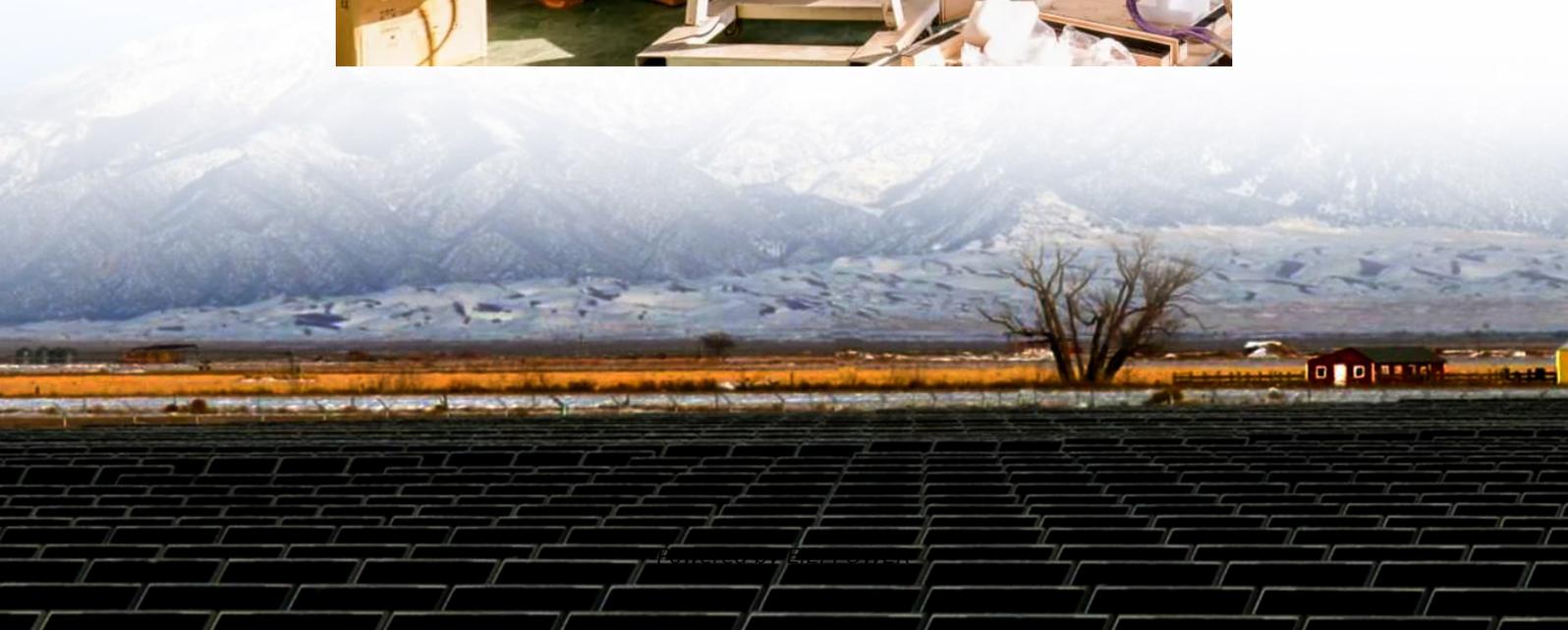


Base station power supply charging lead-acid battery





Overview

How do you charge a lead acid battery?

For lead acid batteries, set the charge voltage at 2.40V per cell and select a current between 10% and 30% of rated capacity. For NiCd and NiMH batteries, use a charge current of 1C for fast charging and monitor for full charge using temperature or negative delta V.

How do you charge a lead-acid battery with a power supply?

Charging with a power supply gives you flexibility when working with lead-acid batteries. You must calculate the charge voltage based on the number of cells. For a typical 12V battery (6 cells), set the voltage to 14.40V (2.40V per cell). Select a charge current between 10% and 30% of the battery's rated capacity.

What are the characteristics of a sealed lead acid battery?

Typical sealed lead acid battery charge characteristics for cycle service where charging is non-continuous and peak voltage can be higher. Typical characteristics for standby service type battery charge. Here, charging is continuous and the peak charge voltage must be lower.

How many volts are in a lead acid battery?

Lead acid batteries consist of 2-volt cells connected in series, typically 2, 3, 4, or 6 cells per battery. You can safely and efficiently charge battery strings in series up to 48 volts or higher. However, as the series length increases, slight differences in capacity may appear due to age, storage history, temperature, or abuse.



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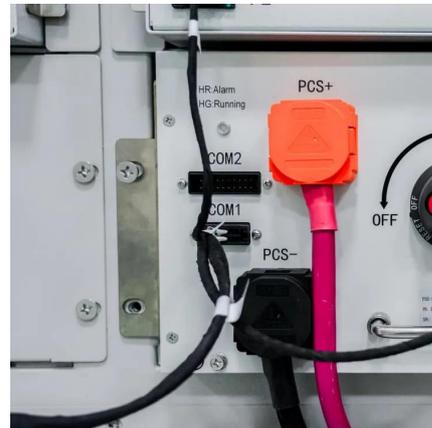


CHARGING LEAD ACID BATTERIES

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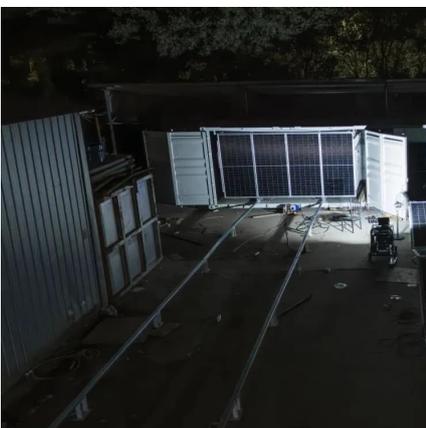
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