Lead acid battery chart

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The chart displays the relationship between the battery"s voltage and its SOC, allowing users to determine the remaining capacity and when to recharge.

A fully charged lead acid battery typically measures between 12.6 and 12.8 volts, while a 50% SOC corresponds to around 12.0 volts.

The voltage continues to decrease as the battery discharges, with 11.8 volts indicating a 25% SOC and 11.6 volts representing a nearly depleted battery at 0% SOC.

By regularly checking the voltage and referring to the chart, users can prevent over-discharging, which can damage the battery, and ensure timely recharging for optimal performance and longevity.

Note: Different types of batteries may have varying voltage ranges. The given values are for typical lead-acid batteries.

The voltage of a lead acid battery is directly related to its state of charge (SOC). A fully charged battery will have a higher voltage than a discharged battery.

Several factors can influence the voltage readings of a lead acid battery. These include temperature, discharge rate, and battery type (sealed or flooded).

It is important to take these factors into account when interpreting voltage readings.

The voltage chart is a useful tool to determine the state of charge of your lead-acid battery. It provides a range of voltages that correspond to different levels of battery charge.

The voltage range can vary depending on the battery type, temperature, and discharge rate. It is important to refer to the manufacturer"s specifications for the recommended voltage range for your specific battery.

When interpreting the voltage chart, note that the voltage readings are taken when the battery is at rest, or in a "float" state. This means that the battery is not being charged or discharged, and the voltage reading is stable.

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