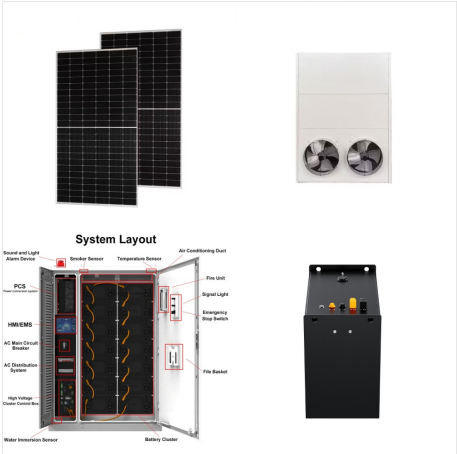
What is the shelf life of my batteries? "Shelf life" refers to how long batteries will hold their charge without use, specifically for non-rechargeable chemistries. In terms of rechargeable batteries, shelf life refers to how long the battery can sit before needing a charge or expiring.

Lithium batteries should be stored in cool environments, ideally between 15?C and 25?C (59?F to 77?F), and avoid high temperatures. Charge to an Optimal State. Store at a partial charge. It is generally recommended to store lithium-ion batteries at ???



Alkaline battery shelf life: up to ten years. Lithium-ion battery shelf life: two to three years. Lead-acid battery shelf life: three to five years. NiCad battery shelf life: one to two years. Finally, it's important to remember that not all batteries are created equal.

SHELF LIFE OF UNUSED LITHIUM ION BATTERY

Lithium-ion batteries have a shelf life of 3-6 years. Loss of battery life, also known as self-discharge, occurs at a rate of between .5% to 2% per month. To minimize the loss of charge, store lithium-ion batteries in a cool, temperature-controlled place away from other batteries or metal objects.

For the longest possible shelf life, store your batteries between 50?F and 77?F. Storage charge level: Don"t store dead batteries. Make sure your lithium-ion batteries are somewhere between 40 and 60% charged to prevent over-discharge during storage.

The following guidance is based on batteries that are kept at the right temperature, the right humidity and in the correct State of Charge. Under these conditions standard lithium based batteries can have a shelf life of up to ten years. Military and Medical lithium based batteries can have a shelf life of up to twenty plus years.

SHELF LIFE OF UNUSED LITHIUM ION BATTERY

. Proper battery storage involves keeping them in a cool, dry place away from extreme temperatures. Understanding discharge rates helps optimize performance based on application needs. Regularly check expiration dates to ensure reliability when needed.

To maximize the shelf life of an unused lithium-ion battery, it's essential to store it in a cool and dry place with moderate humidity levels. Ideally, this would be around 20?C (68?F) with low humidity levels below 50%.

A lithium-ion battery kept below 2.00V/cell for more than a week or that fails to normally recover its voltage after storage, should be safely disposed (i.e., recycled). Caution must be taken in handling lithium-based batteries, as mishandling liability lies with the user, not the manufacturer.

SHELF LIFE OF UNUSED LITHIUM ION BATTERY

Unused lithium batteries can degrade over time, even if they are not being used. Factors that contribute to battery degradation include temperature, humidity, and the number of charging cycles. Lithium batteries typically have a shelf life of 2-3 years, after which their capacity may start to degrade.