

# How many layers of protection does the new energy battery cabinet have





## Overview

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What is a 3 layer battery management system (BMS)?

The three-layer battery management system (BMS) ensures the reliability of lithium batteries. A built-in fire extinguisher is used. Before the BCB switch is turned on, the SmartLi can automatically detect the insulation impedance of the positive and negative battery terminals to PE, ensuring safe startup and operation.

How many lithium battery cabinets can be connected in parallel?

A maximum of 15 SmartLi 2.0 lithium battery cabinets can be connected in parallel. When multiple cabinets are connected in parallel, only the master cabinet has an LCD. Easy capacity expansion: Batteries can be added along with load increase by stages. New and old battery cabinets can be connected in parallel.

What are the components of a battery?

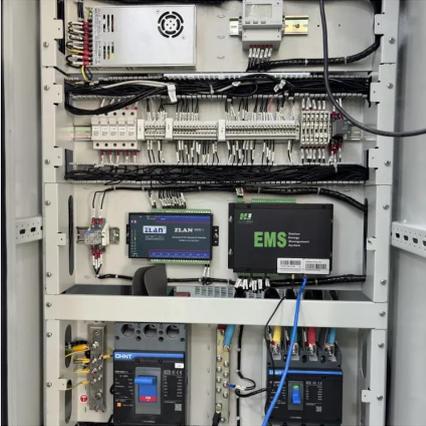
Cells: The smallest unit comprising the cathode, anode, and electrolyte.  
Battery Pack (Pack): Hundreds or even thousands of cells combined into a unified structure.  
Battery System: Equipped with sensors (to measure voltage, current, and temperature), a Battery Management System (BMS) (to make decisions), and actuators (to execute commands).

Can a battery cabinet be deployed outside a smart module?

Battery cabinets or racks can also be deployed outside smart module A (batteries deployed outside) or smart module B. The front door is a single door, and the rear door is a double one. Shoto batteries are supported.



## How many layers of protection does the new energy battery cabinet have?



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## Battery Energy Storage Cabinet System

Have PCS (bidirectional AC/DC)? HVAC (aire acondicionado)? BMS (Battery management system)? Remote operation system? Cabinet with IP54 protection? Plug and play connection.

## **Battery Cabinet**

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