

SolarTech Power Solutions

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

- ☑ High energy density and long cycle life
- ☑ Modular structure

No need to replace the battery

Shorter charging time

Meets 99% EV car



Overview

The three-layer battery management system (BMS) ensures the reliability of lithium batteries. A built-in fire extinguisher is used. 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.

Can a battery cabinet be connected in parallel?

New and old battery cabinets can be connected in parallel. Easy maintenance:

Batteries can be swapped for maintenance due to the modular design. High cycle performance of cells: 25°C, 0.5C charging/1C discharging, 50% depth of discharge (DOD), 5000 cycles at 70% end of life (EOL).

How many smartli lithium battery cabinets can be connected?

Scenario where SmartLi 3.0 lithium battery cabinets are deployed outside the smart module: One integrated UPS can connect to a maximum of 10 SmartLi 3.0 lithium battery cabinets. When multiple cabinets are connected in parallel, only the master cabinet has an LCD.

How many layers of protection does the new energy battery cabinet

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