

Energy storage AC grid-connected anti-backflow device





Overview

Why should you use an anti-backflow solution for energy storage systems?

During the discharge process of industrial and commercial energy storage systems, due to power fluctuations, changes in load power consumption and other reasons, reverse flow of electrical energy may also occur. The anti-backflow solution can effectively avoid this problem and ensure the safe and efficient operation of the energy storage system.

How do photovoltaic anti-backflow systems work?

According to different system voltage levels, photovoltaic anti-backflow systems can be divided into single-phase anti-backflow systems, three-phase and energy storage system ones. In a power system, power is generally sent from the grid to the load, which is called forward current.

How does a Deye inverter anti-backflow work?

4. The solution?

Deye inverter anti-backflow working principle: install a meter with CT or current sensor at the grid-connected point. When it detects that there is current flowing to the grid, it will feed back to the inverter, and the inverter will immediately change its working mode and track from the maximum power point of MPPT.

How does anti-backflow work?

If the generation exceeds the consumption, the surplus electricity flows back into the grid, creating backflow. Systems with anti-backflow functionality can adjust the inverter's output to ensure that the electricity generated is fully consumed by local loads, preventing excess power from entering the grid.
Why Install Anti-Backflow?



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