

China Power Energy Storage Wins Two Annual Awards for Energy Storage

On September 1, 2023, China Power Energy Storage Development Limited (China Power Energy Storage), a subsidiary of CPID, won two annual awards at the 2nd China International Energy Storage Exhibition and the 10th China International Optical Storage and Charging Conference organized by Electric Energy Storage Alliance (EESA).

The 1500 V liquid-cooled energy storage system won the 2023 Award for Best System Integration Solution Provider. The system has a creative four-level fire protection design including "pack-level detection + perfluoro pack-level spray control + prefabricated compartment-level full flooding + whole compartment water spray", to provide efficient and accurate early warning, timely eliminate fire hazards, and ensure the safety and reliability of the energy storage battery compartment.

Yishui 300 MW/600 MWh Energy Storage Power Station Project (Phase I) in Shandong Province won the 2023 Award for Best Grid-Side Application Scenario Innovation. A cloud-station-end trinity smart O&M system was creatively proposed and established for the large-scale lithium-ion/sodium-ion electrochemical energy storage power station. The O&M system includes intelligent sensing and safety coordination and control of containers at the end level, health management of energy storage power station at the station level, and big data analysis, cloud-edge collaboration, remote O&M and network security protection at the cloud level. Efficient collaborative computation, collaborative protection and collaborative optimization can jointly realize the health diagnosis, early warning, safety control, and performance assessment and optimization of energy storage power station at the decision-making level.

In the exhibition, China Power Energy Storage released the energy storage product tailored for small and medium-sized industrial and commercial users. The product has a wealth of application interfaces and the functions of peak cut, emergency power supply protection, dynamic capacity expansion, grid-connection switching, remote power dispatch, etc., to meet the customized needs of different users and different application scenarios, and can be widely used in industrial parks, PV power storage and charging stations, data centers and other scenarios.

China Power Energy Storage exhibited its products including 1500 V liquid-cooled energy storage system container, industrial and commercial energy storage product, 1725 type energy storage converter, AIOPS2000 smart centrally-controlled energy storage operation platform and so on. Up to now, China Power Energy Storage has supplied equipment with a total capacity of nearly 3.83 GWh and will supply equipment with a total capacity of 2 GWh for projects in Shandong, Qinghai, Jiangsu, Anhui, Inner Mongolia, Mexico, Chile and other places.