GLOSSARY

This glossary contains certain technical terms used in this document in connection with us and our business. Such terms and their meaning may not correspond to standard industry definitions or usage.

"AC"	alternating current, an electric current which periodically reverses direction and changes its magnitude continuously with time
"AEMO"	Australian Energy Market Operator
"AFCI"	arc fault circuit interrupters, a protective device used for protection against fire hazards caused by arc faults
"AI"	artificial intelligence
"battery pack"	an assembly of interconnected batteries designed to store and supply electrical energy for various applications
"BMS"	battery management system, a system that monitors, manages, and protects batteries, ensuring safe operation, optimal performance, and extended lifespan
"CAGR"	compound annual growth rate
"CE"	Conformité Européenne, a certification mark that indicates a product complies with safety, health and environmental protection standards of European Union
"CEI"	Comitato Elettrotecnico Italiano, a certification mark that indicates a product complies with safety, health and environmental protection standards of Italy
"C&I"	commercial and industrial
"CRM"	customer relationship management, the system and strategies used to manage customer interactions, enhance service delivery, and improve customer satisfaction in relation to energy solutions
"DC"	direct current, an electric current which flows only in one direction
"DSP"	digital signal processor, which is a specialized microprocessor designed for high-performance mathematical operations, particularly in digital signal processing applications
"EMC"	electromagnetic compatibility, which means that a device is compatible with (i.e., no interference is caused by) its electromagnetic environment, and does not generate, or is not affected by, electromagnetic disturbance

"EMS"	energy management system, a system that monitors, controls, and optimizes energy usage and storage
"ERP"	enterprise resource planning
"energy storage system" or "ESS"	a system designed to store energy in various forms, such as chemical, thermal, or mechanical, for later use
"GB"	the national standards of China, established to ensure consistency, quality, and safety across various industries
"GPM"	gross profit margin
"grid-side"	the transmission and distribution segment of the power system, where infrastructure and resources are operated to maintain grid stability, reliability, and overall system balance
"GW"	Gigawatt, a unit of power measurement equal to one billion watts, commonly used to quantify the capacity of large-scale energy systems such as power plants or energy storage facilities
"GWh"	Gigawatt-hour, a unit of energy measurement equal to one billion watt-hours, commonly used to quantify the amount of energy produced or consumed over time, particularly in large-scale energy systems
"IEC"	International Electrotechnical Commission, an organization that publishes international standards for electrical, electronic, and related technologies
"IoT"	internet of things
"ISO 14001"	international standard defining the requirements for an effective environmental management system, enabling organizations to enhance environmental performance and comply with regulations
"ISO 9001"	international standard defining the requirements for a quality management system, enabling organizations to consistently meet customer and regulatory requirements
"kWh"	kilowatt-hours, a unit of electric energy
"MES"	manufacturing execution system, a system that monitors, tracks, and controls manufacturing processes in real-time
"microgrid"	a local power generation and distribution system integrating distributed energy sources, storage devices, energy conversion equipment, loads, and monitoring and protection devices, etc., which is able to operate on and off grid

"MPPT"	maximum power point tracking, an essential technology that improves the efficiency and output of solar photovoltaic ("**PV**") systems. Its purpose is to continuously optimize the maximum power point ("**MPP**") of solar panels, enabling the extraction of the highest amount of power from sunlight
"ms-level"	millisecond-level
"MWh"	Megawatt-hour, a unit of energy measurement equal to one million watt-hours, commonly used to quantify the amount of energy produced or consumed over a period, particularly in medium-scale energy systems
"O&M"	operation and maintenance
"over-the-air"	a technology that enables wireless delivery of updates, upgrades, or configurations to devices, ensuring functionality improvements and feature enhancements without physical intervention
"PCBA"	printed circuit board assembly, a comprehensive unit that encompasses a printed circuit board and all fundamental electronic components
"PCS"	power conversion system, a system that converts electrical energy between different forms, such as alternating current and direct current, enabling efficient energy transfer and integration in energy storage or renewable energy systems
"peak shaving"	the reduction of electricity consumption during peak demand periods by using stored energy to supply power, thereby decreasing reliance on the power grid
"PV"	photovoltaic, a technology that converts sunlight directly into electricity using solar cells
"R&D"	research and development
"RMB/Wh"	Chinese yuan per watt-hour of electricity, a pricing unit indicating the cost in energy markets and power purchase agreements
"SOC "	State of Charge, a key metric that indicates the current charge level of a battery as a percentage of its total capacity
"SOH"	State of Health, a key metric that reflects the overall condition and performance capability of a battery compared to its original specifications
"UL"	Underwriters Laboratories, an organization that develops safety standards and conducts testing for product compliance

"μs-level"	microsecond-level
"user-side"	the end-user segment of the power system, encompassing C&I fields and residential fields
"VDE"	Verband der Elektrotechnik, Elektronik and Informationstechnik, one of the most experienced European testing and certification organizations directly involved in developing German national standards and enjoying a high reputation worldwide
"VPP"	virtual power plant, a system that aggregates and manages distributed energy resources, such as solar panels, batteries, and wind turbines, to operate as a single power plant
"Wh"	watt-hours, a unit of electric energy