
GLOSSARY OF TECHNICAL TERMS

“AC”	alternating current, an electric current in which the direction of flow of electric charge reverses periodically over time, meaning its voltage and current alternate between positive and negative values rather than staying in one constant direction
“AI”	artificial intelligence
“AIDC”	AI data center
“BMS”	battery management system, any electronic system that manages a rechargeable battery (cell or battery pack) by facilitating the safe usage and a long life of the battery in practical scenarios while monitoring and estimating its various states (such as state of health and state of charge), calculating secondary data, reporting that data, controlling its environment, authenticating or balancing it
“CAGR”	compound annual growth rate, a business, economics and investing term representing the mean annualized growth rate for compounding values over a given time period
“CNC”	computer numerical control, the automated control of machine tools by a computer
“CT(s)”	current transformer(s), a type of transformer that reduces or multiplies alternating current, producing a current in its secondary winding which is proportional to the current in its primary winding
“DC”	direct current, an electric current that flows in one direction only, unlike alternating current (AC), DC does not reverse direction — its polarity remains the same (positive stays positive relative to negative)
“EPC”	engineering, procurement and construction, a contractual framework for executing large-scale infrastructure projects, including energy storage and photovoltaic systems
“ERP”	enterprises resource planning
“ESS”	energy storage systems
“EV”	electric vehicle
“grid-forming static synchronous compensator”	a reactive power compensation equipment based on power-electronics technology that employs a grid-forming control strategy, enabling it to actively establish and support the voltage and frequency of the power grid
“IoT”	Internet of things

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“IPD”	integrated product development, a comprehensive product and R&D management framework, characterized by examining product and R&D management philosophies and structures from the perspective of product investment and development
“ISO”	the International Organization for Standardization, an independent, non-governmental organization that develops and publishes international standards
“ISO 14001”	an internationally recognized standard for environmental management system published by the ISO
“ISO 45001”	an internationally recognized standard for Occupational Health and Safety Management Systems published by the ISO
“ISO 9001”	an internationally recognized standard for Quality Management Systems published by the ISO
“kV”	kilovolt
“kWh”	kilowatt-hour(s)
“MES”	manufacturing execution system
“MW”	megawatt, a unit of power equal to one million watts, used to measure energy generation or consumption capacity
“MWh”	megawatt hour, a unit of energy equal to one million watt hours, used to quantify electricity output or consumption
“O&M”	operation and maintenance
“PCB”	printed circuit board
“PCBA”	PCB assembly
“PCS”	power conversion systems
“primary equipment”	the high-voltage electrical equipment directly used in the generation, transmission and distribution of electric energy, including generators, transformers, circuit breakers, disconnectors, transmission lines, power cables, reactors and motors, among others
“QMS”	quality management system
“R&D”	research and development

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“RMU(s)”	ring main unit(s), a compact, enclosed medium-voltage (MV) switchgear assembly used in electrical distribution networks — most commonly in ring (loop) distribution systems — to switch, isolate, and protect sections of the MV network and connected transformers/loads
“SCADA”	supervisory control and data acquisition, a control system architecture comprising computers, networked data communications and graphical user interfaces for high-level supervision of machines and processes
“secondary equipment”	the electrical equipment worked at low-voltage power supply, which is used to monitor, control regulate and protect primary equipment and providing operating conditions or production command signals for operation and maintenance personnel
“SMT”	surface mount technology, a method in which the electrical components are mounted directly onto the surface of a PCB
“sq.m.”	square meter/meters
“SRM”	supplier relationship management
“SST”	solid-state transformer, an electric power transformer that uses power-electronic converters (solid-state devices) — instead of only magnetic coupling at line frequency — to convert, regulate, and control electrical power between voltage levels (and often between AC and DC as well)
“SVG”	static var generator
“switchgear”	switchgear, an assembly of electrical switching and interrupting devices — typically disconnect switches, fuses, and circuit breakers — used to control, protect, and isolate electrical equipment and circuits in an electric power system
“UV”	ultraviolet
“WMS”	warehouse management system