

GLOSSARY OF TECHNICAL TERMS

This glossary contains explanations of certain technical terms used in this document. As such, these terms and their meanings may not correspond to standard industry meanings or usage of these terms.

“5G”/“4G”/“3G”	the fifth-generation/fourth-generation/third-generation technology standard for cellular networks in telecommunications
“AC”	alternating current, an electric current whose magnitude and direction vary periodically over time.
“active energy accuracy”	the precision of an electricity meter in measuring active energy (measured in Wh or kWh). Under IEC standards, accuracy classes include: (i) Cl.0.2S and Cl.0.5S, for high-precision metering such as grid gateway and large-consumer billing; (ii) Cl.0.5, for commercial and industrial metering; (iii) Cl.1, for general commercial and residential metering, with a maximum permissible error of $\pm 1.0\%$; and (iv) Cl.2, for general residential metering, with a maximum permissible error of $\pm 2.0\%$. A lower class number indicates higher precision
“AI”	artificial intelligence
“AIoT”	artificial intelligence of things, a combination of AI and IoT
“AMI”	advanced metering infrastructure, an integrated system used in smart grids for remote meter reading, electricity consumption data collection, and grid management
“AS/RS”	automated storage and retrieval systems
“BMS”	battery management system
“CMMI V2.0 Level 5”	the highest maturity level under the CMMI V2.0 framework, a globally recognized model for improving and appraising an organization’s process capability in software development and service delivery
“CNAS”	China National Accreditation Service for Conformity Assessment (中國合格評定國家認可委員會)
“CRM”	customer relationship management
“CSS”	customer service system
“DC”	direct current, an electric current which flows only in one direction
“DLMS”	device language message specification, an international standard protocol for smart meter data exchange, enabling secure communication between utility devices and central systems

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“DRG”	diagnosis-related group, a classification system that groups hospital cases into categories based on diagnosis, treatment, and resource usage
“ECMO”	extracorporeal membrane oxygenation, a life-supporting medical technique that provides both cardiac and respiratory support to patients with severe heart or lung failure
“EMC”	electromagnetic compatibility
“EMS”	energy management system
“EPC”	engineering, procurement and construction, a contractual framework for executing large-scale infrastructure projects
“EU MID”	European Union Measuring Instruments Directive
“EV”	electric vehicle
“G3-PLC”	generation 3 power line communication, an international standard protocol that enables highly reliable, high-speed, long-range communication over existing electrical power grids, widely used for smart meter connectivity
“GFA”	gross floor area
“GMP Certificate”	Certificate of Good Manufacturing Practices for Pharmaceutical Products (藥品生產質量管理認證證書)
“GPRS”	general packet radio service, a packet-based wireless communication service
“GSP Certificate”	the Good Supply Practices for Pharmaceutical Products Certificate (藥品經營質量管理規範認證證書)
“HIS”	hospital information system, an information system using computer hardware and software technology, network communication technology and other modern means, to provide the integrated management of the visitor flows, logistics and financial flows in the hospital and its various departments, and conduct the collection, storage, extraction, transmission, aggregation, processing of the data generated in the various stages of medical activities to form a variety of information, so as to provide a comprehensive automated management of the overall operation of the hospital and a variety of services
“HPLC”	high-speed power line communication
“IAS 17025”	an accreditation granted by the International Accreditation Service to testing and calibration laboratories that meet the rigorous ISO/IEC 17025 standard, ensuring international validity and reliability of test results

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“IEEE”	the Institute of Electrical and Electronics Engineers, the world’s largest technical professional organization dedicated to advancing technology
“IP66”	a protection rating defined by the International Electrotechnical Commission, indicating that a device is completely dust-tight and protected against strong water jets from any direction
“LTE-M”	long term evolution for machines, a low-power wide-area cellular technology standard designed for IoT devices, offering energy-efficient, deep-penetration, and reliable connectivity for smart meters over existing 4G networks
“MDM”	meter data management
“MDT”	multidisciplinary team, which brings together a group of healthcare professionals from different fields involved in cancer care with the overarching goal of optimizing patient care and treatment efficacy
“MES”	manufacturing execution system, a system that monitors, tracks, and controls manufacturing processes in real-time
“MPPT”	maximum power point tracking
“Medical Insurance Designated Medical Institutions (醫保定點醫療機構)”	healthcare institutions designated by the relevant local medical insurance authority as ones that are eligible for public medical insurance coverage for patients covered by Urban Employee Basic Medical Insurance Program (城鎮職工基本醫保計劃), Urban Resident Basic Medical Insurance Program (城鎮居民基本醫保計劃) and New Rural Cooperative Medical Insurance Program (新型農村合作醫保計劃)
“NB-IoT”	narrowband internet of things, a low-power wide-area cellular technology standard optimized for connecting devices with low data rates, offering exceptional indoor penetration, ultra-low power consumption, and massive connection capacity for smart metering
“PET-CT”	positron emission tomography – computed tomography
“PLC”	a programmable logic controller, a digital computer specifically designed for use in industrial environments, which performs multi-axis servo control, logical operations, sequential control, timing, and counting tasks during the control process
“PLM”	product lifecycle management
“PRIME”	powerline intelligent metering evolution, an open-standard narrowband power line communication protocol that enables highly interoperable and reliable data transmission for smart grid and metering networks over existing electrical wiring
“PV”	photovoltaic

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“QMS”	quality management system
“reactive energy accuracy”	the precision of an electricity meter in measuring reactive energy (measured in varh or kvarh). Under IEC 62053-23, accuracy classes for reactive energy meters include: (i) Class 2, with a maximum permissible error of $\pm 2.0\%$, suitable for general industrial and commercial metering; and (ii) Class 3, with a maximum permissible error of $\pm 3.0\%$, suitable for lower precision applications. A lower class number indicates higher precision
“RF”	radio frequency
“RMU”	ring main unit
“RVC”	rapid voltage change, a power quality event defined under the IEC 61000-4-30 standard, referring to a rapid transition of the RMS voltage between two steady-state conditions that is not classified as a voltage dip, swell or interruption
“SaaS”	software as a service, a cloud-based software delivery model in which software is provided to users on a subscription basis and maintained by the service provider
“SAP”	an acronym for Systems, Applications, and Products, a system and software package for enterprise resource planning, used by organizations to connect information from all core areas of the organization and to manage its day-to-day business activities
“SMT”	surface mount technology, a method in which the electrical components are mounted directly onto the surface of a printed circuit board
“SRM”	supplier relationship management, a system that manages interactions and communications with suppliers, and it facilitates the synchronization of procurement plans with suppliers, ensuring timely and efficient delivery of materials in accordance with production needs and strategic objectives
“STS”	static transfer switch, a high-speed, solid-state device used to enable seamless, millisecond-level switching between grid-connected and off-grid modes, ensuring uninterrupted power supply to loads during outages
“Suite 2”	the highest security suite defined under the DLMS/COSEM communication protocol, which adopts Elliptic Curve Cryptography (ECC) for data authentication and encryption in smart metering communications
“U.S. ANSI”	American National Standards Institute

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“Wi-SUN”	wireless smart utility network, an open-standard, IPv6-based wireless mesh network technology offering highly reliable, self-healing, and secure long-range connectivity for large-scale smart metering and smart city applications
“WMS”	warehousing management system