

## GLOSSARY OF TECHNICAL TERMS

*This glossary of technical terms contains explanations of certain technical terms used in this document in connection with our Company and our business. Such terminology and meanings may not correspond to standard industry meanings or usages of those terms.*

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|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| “A”                                          | ampere, the standard unit of electric current                                                                                                                                                              |
| “AC”                                         | alternating current, an electric current that flows in both directions, periodically reversing direction and varying in magnitude                                                                          |
| “ACEA”                                       | European Automobile Manufacturers’ Association                                                                                                                                                             |
| “AFCI”                                       | arc-fault circuit interrupters, an advanced electrical safety device designed to prevent fires by detecting hazardous arcing conditions in wiring and shutting off the electricity before a fire can start |
| “AGV”                                        | automated guided vehicle, a type of unmanned transport vehicle equipped with automatic guiding devices                                                                                                     |
| “AI”                                         | artificial intelligence                                                                                                                                                                                    |
| “AIDC”                                       | AI Data Center, a specialized data center designed to support artificial intelligence workloads                                                                                                            |
| “AIDC power supply”                          | a type of power supply and its supporting power distribution and backup equipment, used to supply power to AI servers and data centers                                                                     |
| “Alkaline Water Electrolysis (ALK)”          | a technology that utilizes DC to electrolyze alkaline aqueous solution into hydrogen and oxygen                                                                                                            |
| “Anion Exchange Membrane Electrolysis (AEM)” | a type of water electrolysis technology that using an anion exchange membrane to produce hydrogen                                                                                                          |
| “APQP”                                       | Advanced Product Quality Planning, a structured approach to design and develop products and processes to meet customer needs and expectations                                                              |
| “AS4777”                                     | an Australian and New Zealand Standard that sets out the requirements for the grid connection of energy systems                                                                                            |

## GLOSSARY OF TECHNICAL TERMS

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| “Battery Management System (BMS)”                | an electronic control unit that regulates and monitors the operation of a battery during charge and discharge                                                                                                              |
| “BIPV”                                           | Building-Integrated Photovoltaics, an integration solar PV modules with building materials                                                                                                                                 |
| “black start”                                    | a capability to restart a power plant from an unenergized state without external grid power                                                                                                                                |
| “blue hydrogen”                                  | hydrogen produced from fossil fuels, primarily through steam methane reforming, where hydrocarbons are reacted with high-temperature steam and a catalyst, combined with carbon capture, utilization, and storage (CCUS)   |
| “BNEF” or “Bloomberg NEF”                        | Bloomberg New Energy Finance                                                                                                                                                                                               |
| “CAGR”                                           | Compound Annual Growth Rate                                                                                                                                                                                                |
| “CAAM”                                           | China Association of Automobile Manufacturers                                                                                                                                                                              |
| “Carbon Capture, Utilization and Storage (CCUS)” | a suite of technologies that captures carbon dioxide (CO <sub>2</sub> ) from industrial sources, prevents its release into the atmosphere, and either stores it permanently underground or uses it for commercial products |
| “carbon neutrality”                              | the state of achieving a net-zero balance between greenhouse gas emissions produced and greenhouse gases removed from the atmosphere                                                                                       |
| “CE”                                             | Conformité Européenne, a certification required for products to enter the European market                                                                                                                                  |
| “CEC”                                            | California Energy Commission                                                                                                                                                                                               |
| “centralized PV inverter”                        | a device in large PV systems that combines the output of multiple solar module strings and converts their DC electricity into AC for grid connection                                                                       |
| “CGC”                                            | China General Certification Center, a certification body in China that provides product testing and certification services to ensure compliance with national and international standards                                  |

## GLOSSARY OF TECHNICAL TERMS

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| “C&I”                           | Commercial and industrial                                                                                                                                                                                                                                                                                                                                                        |
| “CMMI”                          | Capability Maturity Model Integration, a framework designed to improve and integrate processes across disciplines including engineering and product development                                                                                                                                                                                                                  |
| “CNAS”                          | China National Accreditation Service for Conformity Assessment                                                                                                                                                                                                                                                                                                                   |
| “CNESA”                         | China Energy Storage Alliance                                                                                                                                                                                                                                                                                                                                                    |
| “CPIA”                          | China Photovoltaic Industry Association                                                                                                                                                                                                                                                                                                                                          |
| “CSA”                           | Canadian Standards Association, the largest non-profit organization in Canada dedicated to developing industrial standards                                                                                                                                                                                                                                                       |
| “cumulative capacity”           | Cumulative capacity generally refers to the total operational capacity of new energy power stations — including PV power stations, wind power stations and energy storage power stations — measured at the asset or generation level. It represents the scale of renewable energy resources that have been built, commissioned and are actively contributing to the power system |
| “cumulative installed capacity” | Cumulative installed capacity describes the total volume of PV inverters, energy storage systems or other components that have been physically deployed, commissioned and interconnected on the generation side. This metric indicates the real market penetration and deployment footprint of these technologies                                                                |
| “cumulative shipments”          | Cumulative shipments aggregate all historical shipments from a manufacturer and reflect the company’s long-term market presence, rather than the actual capacity installed in the field                                                                                                                                                                                          |
| “dB”                            | decibel, a logarithmic unit used to measure the intensity of sound or the level of power in electrical signals, commonly applied to indicate noise levels                                                                                                                                                                                                                        |

## GLOSSARY OF TECHNICAL TERMS

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| “DBT”                                 | Develop-Build-Transfer, a project delivery model in which a single entity is responsible for the development, construction and subsequent transfer of a project to the owner              |
| “DC”                                  | direct current, an electric current that flows in one direction only, maintaining constant polarity and magnitude                                                                         |
| “DCAC”                                | direct current-alternating current inverter, a device that converts direct current into alternating current to power alternating current-driven components or motors                      |
| “DCDC”                                | direct current-direct current converter, a device that converts direct current from one voltage level to another for different vehicle subsystems                                         |
| “DNV”                                 | Det Norske Veritas, an international accredited registrar and classification society that provides certification, assurance and risk management services for safety and quality standards |
| “drive frequency converter”           | a device that converts electrical frequencies to meet the requirements of different components within a wind turbine system, improving efficiency and performance                         |
| “EIA”                                 | U.S Energy Information Administration                                                                                                                                                     |
| “electric control”                    | a core control system of the new energy vehicle, responsible for controlling and managing the driving, braking, steering and other operations                                             |
| “electrolysis cells”                  | an electrochemical device that uses an external power source, such as a battery, to drive a non-spontaneous redox reaction for purposes including hydrogen production                     |
| “electromagnetic compatibility (EMC)” | the ability of equipment or systems to operate satisfactorily in their electromagnetic environment without causing intolerable electromagnetic disturbances to other equipment            |

## GLOSSARY OF TECHNICAL TERMS

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| “Enel-GUIDA”                         | the infrastructure and network division of the Italian National Electricity Company (Enel), responsible for its grid management and operation                                                                                                                                                                               |
| “energy management system (EMS)”     | a combined system that monitors, controls, and optimizes energy use within a facility or network to improve efficiency, reduce costs, and minimize environmental impact                                                                                                                                                     |
| “energy storage converter”           | a type of power conversion equipment installed between energy storage batteries and the alternating current grid, which provides charging and discharging functions for the batteries and can be applied in various scenarios such as photovoltaic and wind power smoothing, peak shaving and valley filling and microgrids |
| “energy storage system (ESS)”        | a system of technologies and solutions that stores energy in electrical, chemical or mechanical forms for later use, enabling the balancing of supply and demand, improving energy efficiency and enhancing the reliability and stability of power systems                                                                  |
| “EPC”                                | engineering, procurement and construction, a project delivery model in which a contractor is responsible for the engineering design, procurement of equipment and materials as well as construction of a project, delivering a complete facility to the customer                                                            |
| “EV”                                 | electric vehicles                                                                                                                                                                                                                                                                                                           |
| “Floating PV System”                 | a solar power installation where solar panels are mounted on floating structures on a body of water, such as a lake, reservoir, or dam                                                                                                                                                                                      |
| “GC2”                                | a grade for industrial pipelines in China                                                                                                                                                                                                                                                                                   |
| “generation — grid — load — storage” | a next-generation operating model for power systems that integrates four terminals of power supply, grid, load and energy storage                                                                                                                                                                                           |
| “green hydrogen”                     | hydrogen produced by electrolysis of water powered by renewable energy sources, such as solar or wind, resulting in near-zero greenhouse gas emissions                                                                                                                                                                      |

## GLOSSARY OF TECHNICAL TERMS

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| “greenhouse gas (GHG)”    | atmospheric gases that absorb and emit infrared radiation, trapping heat and warming the Earth’s atmosphere through the greenhouse effect including carbon dioxide, methane, among others                                 |
| “gray hydrogen”           | hydrogen produced from fossil fuels including natural gas, coal, and crude oil, without capturing the carbon emissions released during the process                                                                        |
| “g/L”                     | grams per liter, a unit of concentration that expresses the amount of a substance (in grams) present in one liter of solution                                                                                             |
| “grid”                    | electrical infrastructure on a national or regional level operated and maintained by a government-owned or regulated entity                                                                                               |
| “grid-forming technology” | a technology that allows power electronic devices independently generate voltage and frequency as voltage source, and provide inertia and damping to the system, enabling active support or construction of a stable grid |
| “GW”                      | gigawatt, a unit for measuring power, 1 GW=1 billion watts                                                                                                                                                                |
| “GWac”                    | gigawatt alternating current, a unit for measuring power in terms of alternating current, 1 GWac=1 billion Wac                                                                                                            |
| “GWEC”                    | Global Wind Energy Council                                                                                                                                                                                                |
| “GWh”                     | gigawatt-hours, a unit of electric energy, 1 GWh=1 billion Wh                                                                                                                                                             |
| “HV”                      | high voltage                                                                                                                                                                                                              |
| “HV/LV grid adaptation”   | engineering, protection and control measures that enable PV and energy-storage systems to interconnect and operate on high- and low-voltage grids in compliance with grid codes                                           |

## GLOSSARY OF TECHNICAL TERMS

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| “High Voltage Direct Current (HVDC)” | a power supply architecture in AIDC power supply that delivers electricity at high direct-current voltage levels directly to data center equipment, minimizing intermediate AC conversions and thereby improving efficiency, reliability, and power density |
| “High-Voltage Ride-Through (HVRT)”   | the ability of grid-connected power systems, such as wind turbines and solar PV systems, to maintain connection to the grid during short-term, temporary high-voltage events instead of shutting down                                                       |
| “hydrogen energy equipment”          | equipment used across the hydrogen energy chain, including production, storage, distribution and utilization, designed to provide safe and efficient hydrogen supply and power conversion for energy applications                                           |
| “IATF16949”                          | an international quality management standard for the automotive industry, focusing on continuous improvement, defect prevention and reducing variation in the supply chain                                                                                  |
| “IGBT”                               | insulated gate bipolar transistor, a semiconductor device combining MOSFET control with bipolar current handling, used for efficient power switching                                                                                                        |
| “inductive magnetic components”      | components such as inductors and chokes that store energy in a magnetic field when electrical current flows through them, widely used in power conversion and energy storage products                                                                       |
| “IEA”                                | International Energy Agency                                                                                                                                                                                                                                 |
| “IRENA”                              | International Renewable Energy Agency                                                                                                                                                                                                                       |
| “inverter,” “PV inverter”            | one of the key components in a solar photovoltaic power generation system, which functions to convert direct current generated by solar cells into alternating current that meets the power quality requirements of the grid                                |
| “IP65”                               | an international protection rating indicating that a device is completely dust-tight (6) and protected against low-pressure water jets from any direction (5), making it suitable for outdoor or wet environments                                           |

## GLOSSARY OF TECHNICAL TERMS

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| “IP67”                                    | an international protection rating indicating that a device is completely dust-tight (6) and can withstand immersion in water up to 1 meter deep for up to 30 minutes (7), ensuring high durability in harsh environments                                                                      |
| “IPD”                                     | integrated product development based on customer needs analysis, technological development trends analysis, and competitive strategy analysis, covering full R&D cycle, from concept, planning, development, validation, prototyping, to final mass production                                 |
| “ISO 14001”                               | an international standard for environmental management systems, providing guidelines to minimize environmental impact and comply with regulations                                                                                                                                              |
| “ISO 14064”                               | an international standard that specifies principles and requirements for quantifying, monitoring, reporting and verifying greenhouse gas emissions and removals. It provides organizations with a framework to measure their carbon footprint and support climate change mitigation strategies |
| “ISO 14064-1:2018”                        | an international standard that specifies principles and requirements for quantifying and reporting greenhouse gas emissions and removals at the organizational level                                                                                                                           |
| “ISO 26262 ASIL-C,”<br>“ISO 26262 ASIL-D” | automotive safety integrity level C and automotive safety integrity level D; the second highest and highest risk classification, respectively, in ISO 26262 functional safety standards for automotive systems, requiring rigorous safety measures to mitigate hazards                         |
| “ISO 45001”                               | an international standard for occupational health and safety management systems, designed to reduce workplace risks                                                                                                                                                                            |
| “ISO 50001”                               | an international standard that provides a framework for establishing, implementing, maintaining and improving an energy management system. It helps organizations systematically improve energy performance, increase energy efficiency and reduce greenhouse gas emissions                    |
| “ISO 9001”                                | an international standard for quality management systems, ensuring consistent product and service quality                                                                                                                                                                                      |

## GLOSSARY OF TECHNICAL TERMS

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| “JET”                                  | Japan Electrical Safety & Environment Technology Laboratories                                                                                                                                                                                  |
| “kg/GW”                                | kilograms per gigawatt, a ratio indicating mass (in kilograms) relative to power capacity of 1 gigawatt                                                                                                                                        |
| “kg/kW”                                | kilograms per kilowatt, a ratio indicating mass (in kilograms) relative to power capacity of 1 kilowatt                                                                                                                                        |
| “kW”                                   | kilowatt, a unit of power equal to 1,000 watts ( $10^3$ W)                                                                                                                                                                                     |
| “kWh”                                  | kilowatt-hour, a unit of energy equal to 1,000 watt-hours ( $10^3$ Wh)                                                                                                                                                                         |
| “kWh/m <sup>2</sup> ”                  | kilowatt-hours per square meter, a measure of energy consumption or generation per unit area, commonly used for solar energy performance                                                                                                       |
| “large-scale combustion test”          | a critical methodology for ensuring the compliance and market acceptance of energy storage products, provides scientific evidence for preventing and controlling thermal runaway hazards at energy storage power stations, modules and systems |
| “Levelized cost of electricity (LCOE)” | the average cost per unit of electricity generated, including all costs such as construction, operation, maintenance and raw material                                                                                                          |
| “Levelized cost of hydrogen (LCOH)”    | the discounted production cost over a plant’s lifetime per unit of hydrogen produced                                                                                                                                                           |
| “Levelized Cost of Storage (LCOS)”     | the lifetime cost of an energy storage system per unit of energy delivered                                                                                                                                                                     |
| “lithium battery cells”                | rechargeable electrochemical cells that use lithium as the primary component in their electrodes, known for high energy density and commonly used in portable electronics and electric vehicles                                                |
| “LFP”                                  | Lithium Iron Phosphate ( $\text{LiFePO}_4$ ), a material of batteries                                                                                                                                                                          |

## GLOSSARY OF TECHNICAL TERMS

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| “Low-voltage ride-through (LVRT)” | the ability of grid-connected power systems, such as wind turbines and solar PV systems to continue operating during a voltage dip caused by a fault, while providing reactive power to assist in voltage recovery during grid disturbances                                                 |
| “LV”                              | low voltage                                                                                                                                                                                                                                                                                 |
| “microinverter”                   | a small PV inverter primarily used in balcony and rooftop PV systems, which supports fast installation and commissioning and features natural arc-fault prevention and module-level intelligent O&M                                                                                         |
| “modular inverter”                | a PV inverter which offers flexible subarray matching and combines the advantages of centralized and string inverters, where each module operates independently with separate MPPT design, adopts a split-body structure for higher tracking accuracy and enables plug-and-play maintenance |
| “MPPT”                            | maximum power point tracking, a technology used in solar power systems to continuously adjust the operating point of photovoltaic modules to maximize power output under varying sunlight and temperature conditions                                                                        |
| “ms”                              | millisecond, a unit of time equal to one-thousandth (1/1000) of a second                                                                                                                                                                                                                    |
| “MSCI”                            | Morgan Stanley Capital International                                                                                                                                                                                                                                                        |
| “mu (亩)”                          | a unit of area that is approximately 666.7 square metres                                                                                                                                                                                                                                    |
| “MW”                              | million watts, a unit of power used to express the rate at which energy is generated or consumed                                                                                                                                                                                            |
| “MWh”                             | megawatt of power sustained for one hour, a unit used to measure the total amount of electricity produced or consumed over time                                                                                                                                                             |
| “NEV”                             | new energy vehicles, including battery electric vehicles (BEV), plug-in hybrid electric vehicles (PHEV), extended-range electric vehicles (EREV), and fuel cell vehicles                                                                                                                    |

## GLOSSARY OF TECHNICAL TERMS

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| “New energy power stations”   | New energy power stations are modern facilities that generate electricity primarily from non-conventional and renewable sources including solar and wind, rather than traditional fossil fuels, such as coal or natural gas |
| “Nm <sup>3</sup> /h”          | a unit of volumetric flow rate representing the number of normal cubic meters of gas passing a point per hour, where “normal” refers to standardized conditions of temperature and pressure                                 |
| “O&M”                         | operation and maintenance                                                                                                                                                                                                   |
| “OBC”                         | on-board charger, a device that charges an electric vehicle’s battery from an external power source by converting alternating current to direct current                                                                     |
| “OECD”                        | the Organization for Economic Cooperation and Development                                                                                                                                                                   |
| “off-grid”                    | a standalone power system capable of operating independently from the public electricity grid, without reliance on public utilities                                                                                         |
| “PDU”                         | power distribution unit; a component that distributes electrical power to various systems and components                                                                                                                    |
| “Printed Circuit Board (PCB)” | a type of electronic component with wiring inside or on the surface of a board-shaped insulator                                                                                                                             |
| “PCBA”                        | printed circuit board assembly                                                                                                                                                                                              |
| “PCS”                         | power conversion system, an electronic system that converts electrical energy from one form to another, especially in energy storage systems. Typically referring to energy storage converter                               |
| “power ratings”               | the maximum amount of electrical power that a device, such as an inverter or solar module, is designed to handle or deliver under specified conditions, typically expressed in watts or kilowatts                           |
| “power supply”                | an electrical device that supplies electric power to an electrical load                                                                                                                                                     |

## GLOSSARY OF TECHNICAL TERMS

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| “Proton Exchange Membrane Electrolysis (PEM)” | a water electrolysis technology using a proton exchange membrane to produce high-purity hydrogen and oxygen from pure water                                                                                                                                                                                        |
| “PV module”                                   | also known as a solar panel, an assembly of interconnected solar cells that converts sunlight directly into electricity via the PV effect                                                                                                                                                                          |
| “PV”                                          | photovoltaic, the technology that converts sunlight directly into electricity using semiconductor materials, commonly used in solar panels and solar power systems                                                                                                                                                 |
| “PV-ES integration”                           | photovoltaic-energy storage (PV-ES) integration, a system that combines solar panels with an energy storage component, usually batteries, to store the electricity generated by sunlight and release it later when needed                                                                                          |
| “PWM hydrogen power supply”                   | a Pulse Width Modulated power supply designed to efficiently power hydrogen production systems, typically by electrolysis                                                                                                                                                                                          |
| “R&D”                                         | research and development                                                                                                                                                                                                                                                                                           |
| “real-world fire containment test”            | a safety verification test that is conducted on the energy storage system to assess its ability to prevent risk escalation under thermal runaway conditions, which lasts 3-6 times longer than the conventional industry combustion test, by simulating extreme scenarios to validate structural safety conditions |
| “RMB/MWh”                                     | Chinese yuan per megawatt-hour of electricity, a pricing unit indicating the cost in energy markets and power purchase agreements                                                                                                                                                                                  |
| “SA8000@:2014”                                | an international standard for social accountability that sets requirements to ensure fair and safe working conditions, including prohibiting child and forced labor, ensuring health and safety and protecting workers’ rights                                                                                     |
| “SEIA”                                        | Solar Energy Industries Association                                                                                                                                                                                                                                                                                |
| “SGS”                                         | Société Générale de Surveillance, a Swiss multinational company headquartered in Geneva, which provides inspection, verification, testing and certification services                                                                                                                                               |

## GLOSSARY OF TECHNICAL TERMS

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| “shipment volume”                 | Shipment volume refers to the amount of equipment, such as PV inverters or energy storage systems, shipped by manufacturers within a specific period, regardless of whether these products are ultimately deployed                                                                     |
| “SiC”                             | silicon carbide, a wide-bandgap semiconductor material used in power electronics for high efficiency, high temperature tolerance and improved energy conversion performance                                                                                                            |
| “single transistor”               | single transistors on a chip, including individual electronic components like bipolar junction transistors or field-effect transistors                                                                                                                                                 |
| “SMT”                             | surface mounted technology, a method for printed circuit board assembly by mounting components directly                                                                                                                                                                                |
| “Solid Oxide Electrolysis (SOEC)” | a technology to produce hydrogen with high efficiency that employs a solid oxide electrolyte to electrolyze at elevated temperatures                                                                                                                                                   |
| “sq.m”                            | square meter, a unit of area measurement commonly used to express the size of surfaces such as floors, land plots or panels                                                                                                                                                            |
| “Solid State Transformer (SST)”   | a type of power transformation device combining power electronics conversion technology with high-frequency transformers, aimed at replacing the less efficient, large, and single-functional conventional transformers in modern power systems                                        |
| “SPE”                             | Solar Power Europe                                                                                                                                                                                                                                                                     |
| “string inverter”                 | a type of inverter that performs separate maximum power point tracking for several groups of photovoltaic modules (typically one to four), then converts the electricity into alternating current for grid connection, which can contain multiple maximum power point tracking modules |
| “subarray”                        | sections of a PV system consisting of multiple interconnected solar modules grouped together to form part of a larger array, designed to optimize energy generation and system configuration                                                                                           |

## GLOSSARY OF TECHNICAL TERMS

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| “tCO <sub>2</sub> e”           | metric tons of carbon dioxide equivalent, a unit used to quantify greenhouse gas emissions by converting different gases into an equivalent amount of carbon dioxide based on their global warming potential                                    |
| “transformer”                  | an electrical device that transfers electrical energy between two or more circuits, commonly used to step up or step down voltage levels in power systems                                                                                       |
| “transistor”                   | a semiconductor device used to amplify or switch electronic signals and electrical power, a basic component of modern electronic circuits                                                                                                       |
| “TÜV”                          | Technischer Überwachungsverein, a safety certification mark customized by the German TÜV Group for products, widely recognized globally                                                                                                         |
| “UL”                           | Underwriters Laboratories, one of the world’s leading testing, certification and standards development organizations                                                                                                                            |
| “utility-scale energy storage” | energy storage used to smooth the fluctuate output of solar PV and wind power stations and to support the grid, usually large in scale                                                                                                          |
| “UV”                           | ultraviolet, referring to ultraviolet light used in UV-curing technology, which hardens coatings or adhesives through exposure to UV radiation                                                                                                  |
| “V”                            | volt                                                                                                                                                                                                                                            |
| “Vehicle-to-Grid (V2G)”        | a technology that allows the bi-directional flow of electricity between an electric vehicle’s (EV) battery and the electricity grid                                                                                                             |
| “VDE”                          | Verband der Elektrotechnik, Elektronik und Informationstechnik, one of the most experienced European testing and certification organizations directly involved in developing German national standards and enjoying a high reputation worldwide |
| “VOC”                          | volatile organic compounds, organic chemicals that easily evaporate and contribute to air pollution, requiring strict control to protect health and the environment                                                                             |

## GLOSSARY OF TECHNICAL TERMS

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| “VSC-HVDC power transmission”                      | voltage-source converter based high-voltage direct-current power transmission, a technology that uses advanced electronic switches like IGBTs to control power flow more precisely and operate in weak or isolated grids                                                            |
| “WRAS”                                             | Water Regulations Approval Scheme, an independent UK certification for compliant products that keep water safe                                                                                                                                                                      |
| “wind power”                                       | a form of renewable energy that harnesses the power of the wind to generate electricity                                                                                                                                                                                             |
| “wind power converter”                             | a type of equipment that converts electrical energy generated by wind turbine generators under natural wind conditions, which has unstable voltage and frequency, into electrical energy with stable voltage and frequency that meets grid requirements, and feeds it into the grid |
| “wind power pitch drive”                           | a device used to adjust the angle of wind turbine blades to control rotational speed and optimize energy capture                                                                                                                                                                    |
| “Zetta Float Point Operations Per Second (ZFLOPS)” | a unit of measure for supercomputer performance, representing one sextillion ( $10^{21}$ ) calculations per second                                                                                                                                                                  |