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.

"AI"	artificial intelligence
"anti-sway control algorithms"	A comprehensive control strategy for high-response, high-precision requirements that achieves millisecond-level command response through real-time motor parameter acquisition, multi-dimensional feedback closed loops, and integrated optimization methods, while effectively suppressing load disturbances, parameter drift, and external interference to ensure smooth and precise motor operation under dynamic conditions
"AS"	Australian Standards, a set of technical specifications and safety requirements developed by Standards Australia
"asynchronous motor"	an electric motor in which torque is produced through electromagnetic induction between the stator's rotating magnetic field, typically generated by a three-phase AC power supply, and the currents induced in the rotor. The rotor operates at a speed slightly lower than the synchronous speed of the stator field, resulting in "asynchronous" operation
"ATEX"	Atmosphères Explosibles, EU safety requirements for equipment and protective systems intended for use in potentially explosive atmospheres containing flammable gases, vapors, or dusts
"bearings"	a machine element that supports and guides moving parts
"CAGR"	compound annual growth rate
"CE"	Conformité Européenne, a statement by the manufacturer that the product met EU requirements at the time it was placed on the market
"ECN"	engineering change notice, a formal document that communicates an approved modification to a product design, component, material, or manufacturing process to all affected departments for implementation
"ECR"	engineering change request, a formal document that initiates the engineering change process by proposing a modification to a product design

GLOSSARY OF TECHNICAL TERMS

"ERP"	Enterprise Resource Planning, an integrated software suite that unifies and automates core business functions, such as finance, supply chain management, procurement, inventory control and human resources, to streamline operational processes and support centralized data-driven decision-making
"GB/T29490 2023"	a Chinese national standard providing a structured framework for organizations to manage IP creation, protection and utilization
"HMI" or "human-machine interface"	an operator panel that allows personnel to interact with industrial machines and processes in real time
"HVAC"	Heating, Ventilation and Air Conditioning (HVAC) system, integrated components used to regulate indoor environment. They are designed to provide thermal comfort and acceptable indoor air quality by controlling temperature, humidity and air flow
"IATF 16949"	an international quality management system standard specifically for the automotive industry prepared by the International Automotive Task Force
"IE4"	"IE4" refers to super premium efficiency under International Efficiency classes for motor efficiency
"IoT"	Internet of Things, the network of physical objects embedded with sensors, software and other technologies to connect and exchange data with other devices and systems over the internet"
"ISO"	a classification or grade system defined under an International Organization for Standardization ("**ISO**") standard, used to indicate the level of quality, precision, performance, or physical property of a product or system
"kW" or "MW"	"kW" refers to kilowatt, which equals to 1,000 watts. "MW" refers to megawatt, which equals to 1,000 kilowatts, or 1 million watts
"LED"	Light-emitting diode
"maglev" or "magnetic-levitation"	a technology to levitate objects above a guideway by electromagnetic attraction or repulsion

"magnetic circuit design"	a systematic electromagnetic structural design process targeting the rotor structure of permanent magnet synchronous motors, involving the systematic planning of permanent magnet arrangement, magnetic steel dimensions, magnetic bridges, isolation slots, iron core structure, and air gap coordination to construct optimal magnetic flux paths, optimize flux distribution, and control leakage flux and saturation levels
"MES"	Manufacturing Execution System, an industrial software system that manages and monitors real-time production operations, tracks work order progress, equipment performance and quality metrics and serves as the information link between upper-level enterprise management systems and on-site production control
"NEV"	new energy vehicles, including but not limited to battery electric vehicles, hybrid and fuel cell vehicles
"Nm"	Newton-meter, a unit of torque, representing a force of one newton applied at a perpendicular distance of one meter
"OA"	office automation, a combination of computer hardware and software to create, store and process office-related information
"OEM"	original equipment manufacturer
"PDM"	product data management
"permanent magnet electric-drive" or "PM electric-drive"	an electromechanical system that uses permanent magnets embedded in or mounted on the rotor to generate a constant magnetic field
"permanent magnet" or "PM"	a material or component that produces a persistent magnetic field without continuous external power input
"PMDD" or "permanent magnet direct-drive"	a motor architecture that directly couples a permanent magnet synchronous motor to the load
"R&D"	research and development
"Regenerative Catalytic Oxidizer"	a regenerative air pollution control device that destroys volatile organic compounds through catalytic oxidation at reduced temperatures, utilizing ceramic heat-exchange media to recover thermal energy from the exhaust stream for preheating incoming contaminated air
"rollers"	cylindrical mechanical components that rotate to support, convey, or drive the movement of materials and loads in machinery

GLOSSARY OF TECHNICAL TERMS

"Roots blowers"	positive displacement machines that move air or gas using two counter-rotating lobed rotors
"rotor"	the rotating part of a motor that works with the stator to that convert electrical energy into mechanical energy
"rpm"	revolutions per minute, a unit of measurement used to quantify rotational speed
"stator"	stationary and generates a rotating magnetic field when electric current is applied
"topology"	the way in which constituent parts are interrelated or arranged
"UL"	Underwriters Laboratories, a leading U.S. safety certification that verifies products have been independently tested for fire resistance, electrical shock hazards, and structural integrity
"voltage", "V" or "kV"	"voltage" refers to a representation of the electric potential energy per unit charge. "V" refers to volt, the international standard unit for measuring voltage. "kV" refers to kilovolt, which equals to 1,000 volts
"VPI" or "vacuum pressure impregnation"	an insulation process in which motor coils are immersed in resin inside a vacuum chamber so that air and voids are evacuated, followed by applied pressure to force the resin into all interstices, creating a dense, void-free insulation layer once cured