

GLOSSARY OF TECHNICAL TERMS

This glossary of technical terms contains explanations of certain terms used in this document as they relate to our Company and as they are used in this document in connection with our business or us. These terms and their given meanings may not correspond to standard industry definitions.

“3C”	computer, communication and consumer electronics
“AEM”	anion exchange membrane, a hydrogen production technology that combines the low cost of alkaline water electrolysis and the high efficiency of proton exchange membrane electrolysis
“Ah”	Ampere-hour, a unit of electric charge that measures battery capacity. It represents the amount of electrical charge transferred by a steady current of one ampere flowing for one hour
“AI”	artificial intelligence
“behind-the-meter”	a type of energy storage system installed on the load side of the grid
“C”	the rate at which a battery is charged or discharged relative to its capacity, where 1C represents a full charge or discharge in one hour and 4C represents a full charge or discharge in 15 minutes
“CAGR”	compound annual growth rate
“capacity retention rate”	the percentage of a battery’s remaining capacity relative to its initial or rated capacity after a certain number of cycles or period of use
“DPPM”	defective parts per million, a quality control measurement in manufacturing
“electric vehicle” or “EV”	vehicles powered fully or partially by battery, comprising battery electric vehicles and plug-in hybrid electric vehicles
“electrolyte customer retention rate”	equals to the proportion of the Group’s electrolyte customers in the preceding year/period that remained as customers of the Group in the current year/period
“electrolyte supplier(s)”	electrolyte supplier(s) whose primary business objective is external sales of electrolyte products
“ESG”	environment, social and governance
“ESS”	energy storage system
“ESS battery”	a battery used for energy storage system

GLOSSARY OF TECHNICAL TERMS

“front-of-the-meter”	a type of energy storage system installed on the utility or grid side
“GARNET”	a class of solid-state ionic conductors characterized by a specific crystal structure similar to natural garnet stones
“gel electrolytes”	electrolytes with a semi-solid, gel-like consistency formed through in-situ polymerization or gelation processes
“GWh”	gigawatt-hour, a unit of energy that represents one billion Wh
“hybrid solid-liquid battery”	a type of battery that uses a combination of solid and liquid electrolyte materials
“hybrid solid-liquid electrolyte”	an electrolyte system that combines both solid-state electrolyte materials and liquid electrolyte components in a battery
“IATF 16949”	international technical specification of automotive industry quality management system, which was prepared by International Automotive Task Force (IATF) and ISO
“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 27001”	an internationally recognized standard for information security 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
“kg”	kilogram
“kWh”	kilowatt-hour, a unit equal to one thousand watt-hour
“L”	liter
“LCO”	lithium cobalt oxide, referring to a type of lithium-ion battery cathode material composed of lithium and cobalt oxides
“cycle life”	the number of times (or cycles) a battery can charge and discharge until its retirement

GLOSSARY OF TECHNICAL TERMS

“lithium-ion battery”	a battery that utilizes lithium-ions as conductive ions that move between the anode and cathode, and charge and discharge through the mutual conversion of chemical energy and electrical energy
“LiPF ₆ ”	lithium hexafluorophosphate
“LFP”	lithium ferro phosphate
“low-altitude economy applications”	comprehensive economic applications centered on low-altitude airspace (typically below 1,000 meters above ground level, potentially extending to 3,000 meters) that utilizes drones, electric vertical take-off and landing aircraft and other low-altitude vehicles for commercial activities
“m ³ ”	cubic meter
“MES”	manufacturing execution system
“mS/cm”	millisiemens per centimeter, a unit of measurement for ionic conductivity. It indicates the ability of a material (such as an electrolyte) to conduct electric current. Higher mS/cm values indicate better ionic conductivity
“NaPF ₆ ”	sodium hexafluorophosphate
“NASICON”	sodium superionic conductors, an important class of solid electrolytes due to their high ionic conductivity
“NEV”	new energy vehicles, including EV, hydrogen and other new type of fuel cell vehicles
“power battery”	a rechargeable battery that provides energy for electric drive systems in transportation such as EVs and vessels
“sodium-ion battery”	a battery that utilizes sodium ions as conductive ions that move between the anode and cathode, and charge and discharge through the mutual conversion of chemical energy and electrical energy
“sodium-ion electrolyte”	an electrolyte system that utilize sodium ions as conductive ions that move between the anode and cathode
“solid-state battery”	a type of rechargeable lithium-ion battery that uses solid-state electrolytes
“solid-state electrolyte” or “SSE”	a solid material that conducts ions between the anode and cathode in a battery
“solvation”	the process by which solvent molecules surround and interact with dissolved ions or molecules
“sq.m.”	square meter/meters

GLOSSARY OF TECHNICAL TERMS

“tCO ₂ e”	tons of carbon dioxide equivalent, standardized unit measuring greenhouse gas emissions impact as CO ₂
“ternary battery”	a type of battery that integrates a cathode composed of three metallic elements, such as nickel, cobalt and manganese
“V”	volt
“W”	watt
“Wh”	watt-hour, a unit of energy equal to one watt of power sustained for one hour
“°C”	degree Celsius, the unit of temperature on the Celsius temperature scale