

GLOSSARY OF TECHNICAL TERMS

This glossary contains definitions of certain technical terms used in this document in connection with our business. These terms and their given meanings may not correspond to industry standard definitions or usages of these terms.

“3C electronics”	computer, communication, and consumer electronics
“battery-grade”	materials suitable for use in battery production according to the respective industry standards which specify the physical properties and chemical component of such materials, for example, YS/T 582-2006 published by the National Development and Reform Commission for battery grade lithium carbonate, and HG/T 5918~5919-2021 published by the Ministry of Industry and Information Technology of the People’s Republic of China for battery grade cobalt sulfate and battery grade nickel sulfate
“black mass”	a powder-like substance that contains valuable metals
“CAGR”	compound annual growth rate
“cobalt”	a chemical element with the symbol Co and atomic number 27
“cobalt sulfate”	an inorganic compound with the formula CoSO_4 that is soluble and red-colored. It is widely used as a raw material for producing NEV ternary battery
“dual-carbon” or “dual carbon” goal	a national goal of reaching peak carbon emissions by 2030 and carbon neutrality by 2060 set by the PRC government
“ERP system”	enterprise resource planning system
“ESS”	energy storage systems
“EV” or “electric vehicle”	the battery electric vehicles used for the carriage of passengers
“GFA”	gross floor area
“graphite”	a soft, crystalline form of carbon
“graphite anode material”	the anode material made of graphite structure. It is used as one of the key raw materials for producing lithium-ion battery
“GWh”	unit of energy (power), gigawatt-hour, and 1 GWh = 1 million kWh. GWh is typically used as a measure for the annual energy production of large power plants

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“hydrometallurgy”	the technique or process of extracting metals involving the use of aqueous solutions
“iron phosphate”	iron phosphate, also known as high iron phosphate and iron orthophosphate, with molecular formula FePO_4 , is a white, off-white monoclinic crystal powder, and is a compound used to synthesize lithium iron phosphate battery cathode materials
“ISO”	the International Organization for Standardization, a non-government organization based in Geneva, Switzerland, for assessing the quality systems of business organizations
“ISO45001”	Occupational Health and Safety Management System, which is released by ISO
“ISO14001”	Environmental Management System, which is released by ISO
“ISO9001”	International Quality Management System, which is released by ISO
“ISO50001”	Energy Management System, which is released by ISO
“kWh”	kilowatt-hour, a unit of energy equal to one kilowatt of power sustained for one hour
“LFP”	lithium iron phosphate (LiFePO_4)
“lithium”	a chemical element with the symbol Li and atomic number 3
“lithium carbonate”	a common lithium compound with the chemical formula Li_2CO_3 that can be dissolved in dilute acid and is commonly used for lithium-ion battery materials
“lithium-ion battery”	rechargeable battery that composes of cells in which lithium ions move from the negative electrode through electrolytes to the positive electrode during discharging and move reversely when charging
“mining”	the extraction of useful minerals or other geological materials from the crust, from an orebody, vein or coal seam
“Manganese Sulfate”	an inorganic compound with the formula MnSO_4 that is soluble and white- or pale-pink-colored
“National-level HNTE”	National-level High-Tech Enterprise (國家級高新技術企業)

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“National-level SRDI “Little Giant” Enterprise”	National-level Specialized, Refinement, Differential, Innovation (SRDI) “Little Giant” Enterprise (國家級專精特新“小巨人”企業)
“NEV”	new energy vehicles, which typically include pure battery-powered electric vehicle and plug-in hybrid electric vehicle
“nickel”	a chemical element with the symbol Ni and atomic number 28
“nickel sulfate”	an inorganic compound with the formula NiSO ₄ that is soluble and blue-green-colored. It is widely used as a raw material for producing NEV ternary battery
“OA”	office automation, a new office solution that combines modern office affairs with computer technology
“OEM”	original equipment manufacturer
“ore”	an occurrence of rock or sediment that contains minerals and can be mined economically
“R&D”	research and development
“SMM”	Shanghai Metal Market
“sodium sulfate”	an inorganic compound with the formula Na ₂ SO ₄ that is soluble and white-colored
“sq.m.”	square meter(s)
“ternary battery”	a type of lithium battery that uses three metal oxides of nickel, cobalt and manganese as batteries’ cathode material. The composition proportion of nickel, cobalt and manganese can be adjusted based on actual needs
“ternary precursor”	a key raw material for the preparation of ternary cathode materials, including nickel cobalt manganese oxide and nickel cobalt aluminum oxide according to different constituent proportions of elements
“ton”	metric tonne
“VOC(s)”	volatile organic compounds which have high vapour pressure at room temperature and cause air pollution and smog