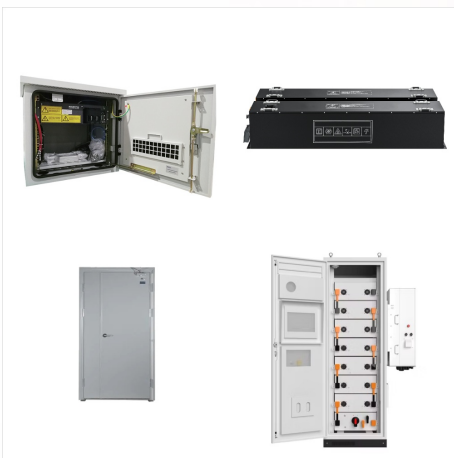




The lithium-sulfur (Li-S) battery is one of the most promising battery systems due to its high theoretical energy density and low cost. Despite impressive progress in its development,



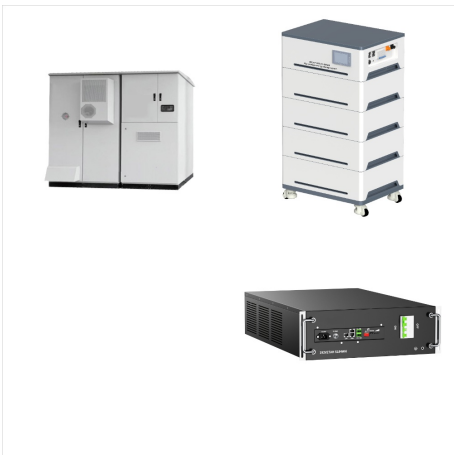
Now, what is a lithium-sulfur battery? It's kind of like a lithium-ion battery but only kind of. Lithium is the ion that moves back and forth between anode and cathode, but instead of



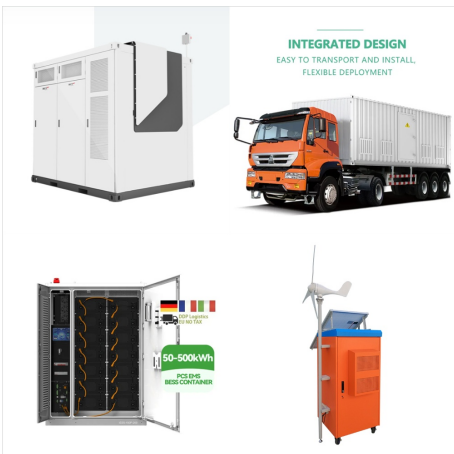
Supermaterials trailblazer Lyten will invest over \$1 billion to build the world's first lithium-sulfur battery gigafactory in Reno, Nevada. The new factory will be capable of producing up to



Celina Mikolajczak, who abruptly left solid-state battery maker QuantumScape Corp. last month, has joined a startup that's working on battery technology it says could ease supply shortages and



Oct 15 (Reuters) - Silicon Valley startup Lyten announced on Tuesday its plan to build the world's first gigafactory for lithium-sulfur batteries in Reno, Nevada, as companies seek to



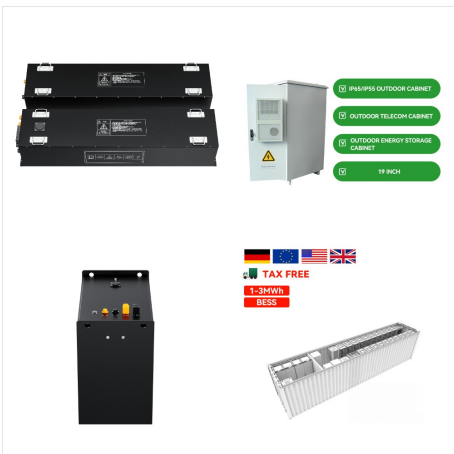
Nevada's Reno is also home to a Tesla gigafactory that produces battery packs and other components for its EVs. Lyten's facility can produce up to 10 gigawatt-hours of lithium-sulfur



Lyten's lithium-sulfur cells feature high energy density, which will enable up to 40% lighter weight than lithium-ion and 60% lighter weight than lithium iron phosphate (LFP) batteries. The cells are fully manufactured in the U.S. and utilize abundantly available local materials, eliminating the need for the mined minerals nickel



A lithium-sulfur battery can pack in nearly twice the energy as a lithium-ion battery of the same weight. That could be a major plus for electric vehicles, allowing automakers to



LytCell??? is Lyten's proprietary Lithium-Sulfur battery that uses Lyten 3D Graphene??? to address the polysulfide shuttle challenges associated with sulfur, leading to a higher-performance battery that will have more than twice the energy density, and enables extended driving range compared to conventional EV batteries.



Startup Lyten raised \$200 million in a Series B round to build up production of its lithium-sulfur battery cells. Stellantis, FedEx, Walbridge Aldinger Company, and Prime Movers Lab were