Battery life 560 kWh

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Seplos 48V Mason 560Ah 28.67KWh Lifepo4 Battery Pack is designed for solar energy storage solutions, assembled with two modules of 280Ah grade A lithium iron phosphate cell configuration.

Engineered for maximum energy density, this battery has 560 Amp Hours of capacity in a waterproof battery case the size of a two 100 Amp Hour batteries. That"s 6X the amount of usable power, allowing you to replace a marine or solar battery bank of 12 AGM or lead acid batteries with a single DL+ 560.

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According to the press conference, the LF560K battery adopts the innovative battery cell technology for TWh-level energy storage scale, and has two major characteristics and three major characteristics:

? Using CTT (Cell to TWh) super-large cell technology.

? Large capacity up to 560Ah (twice that of LF280K).

? Ultra-high energy up to 1.792kWh.

In terms of system hardware, the number of LF560K parts is reduced by 47%, the production efficiency is increased by 30%, and the energy is increased by 6.5%. In terms of cost, compared with 280K and 560K, the comprehensive cost is reduced by 10%. In terms of parts, the cell design cost is reduced by 5%, the cell production cost is reduced by 30%, the system design cost is reduced by 20%, and the system production cost is reduced by 30%.

In terms of technology, the "stacking" technology is adopted to achieve 2 times the full die-cut tab, which solves the problems of "electronic conductance current collection" and "super-large core productivity", reduces DCIR by 8%, and improves the overall yield of cell production by 3%.

In terms of manufacturing, the stacking technology has reached 3.0, with a production rate of 0.2s/pcs, twice the electrode area, and a single-machine capacity of 1.3GWh/unit. In addition, in terms of energy storage factories, One of top 10 energy storage battery companies in China EVE expects to move towards TWh production in the future, with a super factory scale of 40GWh, reduce investment by 38% (single GWh, the same below), reduce production personnel by 30%, reduce energy consumption by 20%, and achieve modularization, digitization, and rapid expansion capabilities.

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According to EVE"s recently released three quarterly report performance forecast, it is expected that the net profit in the third quarter of 2022 will be 1.082 billion RMB-1.298 billion RMB, a year-on-year increase of 50%-80%.

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