



590 kWh energy storage solution

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Huawei says its new, all-in-one storage solution for residential PV comes in three versions with one, two, or three battery modules, offering 6.9 kWh to 20.7 kWh of usable energy.

“The Huawei LUNA S1 continues Huawei's unique Module+ architecture, featuring a built-in energy optimizer and utilizing the leading large battery cell (280 Ah) for the first time in the industry, far surpassing the industry level,” the Chinese manufacturer said in a statement. “By optimization at the battery pack level, it delivers over 40% higher energy throughput during the lifespan and achieves an industry-leading, 15-year limited warranty with its high quality and reliability, offering users a longer lifespan and superior investment returns.”

Its maximum charging and discharging power ranges from 3.5 kW to 1.05 kW, while the operating voltage range is 350 V to 560 V for single-phase systems and 600 V to 980 V for three-phase systems.

“The Huawei LUNA S1 features a five-layer safety protection mechanism, including cell-level, electrical, structural, active, and emergency protections,” the company said. “It has passed a multitude of safety certifications such as VDE 2510-50, IEC 62169, ISO 13849, IEC 63056, IEC 62040-1, IEC 62477 and UN 38.3.”

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