

Smart string energy storage system huawei

Real-time detection of each battery cell allows for an early warning and a rapid shutdown of the short-circuit battery pack, preventing thermal runaway and further fire risks.

The industry-leading explosion relief venting on the top ensures no injuries 1 meter away. If fires are detected inside, the air pressure will be relieved from the top rather than the front.

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As intelligent grid forming brings about enhanced voltage and frequency stability, the ESS can bear more loads and work steadily under various microgrid scenarios.

Three working modes, Max. Self-consumption, TOU, and Peak Shaving, are always available for automatic and intelligent switch, delivering optimal power revenues.

* Theoretical values from Huawei''s internal laboratories in specific test environments, and may vary slightly due to differences in products, software versions, use conditions, and environmental factors.

The entirely renewable-powered Red Sea City requires a stable power supply more than ever. Huawei''s Smart String Energy Storage System (ESS) plays a pivotal role in this, ensuring an abundant and stable clean energy supply. With a 1.3GWh storage capacity, this is the world''s largest microgrid ESS project, marking a significant milestone in Saudi Arabia''s clean energy transition.

Flexible investment with 5kWh modular design, scalable from 5kWh to 30kWh100% depth of discharge (DoD)More usable energy with pack level energy optimizationSafe & reliable performance with Lithium Iron Phosphate (LFP) cellAuto detected by AppCompatible with both single & three phase inverterFaulty battery module auto isolates to keep system operating

*1 Test conditions: 100% depth of discharge (DoD), 0.2C rate charge & discharge at 25?C, at the beginning of life. If no PV modules are installed or the system has not detected sunlight for at least 24 hours, the minimum end-of-discharge SOC is 15%.



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