



160 kWh energy storage battery installation

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The 160 kWh Energy Storage System (ESS) is a commercial energy storage innovation meticulously engineered to meet the intricate demands of diverse industries. Comprised of fifteen precision-crafted battery units, each encapsulating a substantial 10.75 kWh energy capacity, the ESS assembles into a commanding total storage capability of 160 kWh. Constructed with 105Ah LiFePO4 cells, intricately arranged in a 2 parallel and 16 serial configuration, each unit maintains a precise nominal voltage of 51.2V. Guiding its orchestration is a Battery Control Unit (BCU), a mastermind in facilitating refined energy management.

Distinguished by its modular and stackable design, the ESS offers scalability and adaptability, effectively catering to evolving energy demands. Notably, the ESS's operational parameters reflect its high-voltage prowess, functioning seamlessly within an expansive voltage range of 672V to 864V, while accommodating a normal current of 147A.

This versatile ESS transcends conventional energy storage paradigms. From demand charge optimization and load shifting to robust grid stabilization and renewable energy synergy, its applications span the spectrum of commercial energy requirements. The confluence of its architecture, high-voltage configuration, and cutting-edge LiFePO4 technology positions it as an indispensable asset, empowering industries to masterfully navigate energy management, reduce expenditures, and propel sustainable energy initiatives.

In essence, the 160 kWh ESS symbolizes a pinnacle of ingenuity, poised to redefine the energy landscape by ushering in greater capacities, adaptability, and efficiency for enterprises striving for optimized energy utilization and resilience.

Maximum Battery DC Voltage

External linked, for all rack battery information display

Optional, need to define before place order

Standard 19" rack mounted, 446 x 245 x 587

Cables and touch screen monitor



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