



Smart pv-ess integrated cabinets with dc power are more durable





Overview

Key Advantage: Unlike simple solar-plus-storage systems, Wenergy Hybrid ESS genuinely integrates four power sources (solar, grid, generator, storage) into a single, smart microgrid that maximizes efficiency and reliability while minimizing operational costs. Its modular architecture allows flexible deployment for a range of applications, from commercial to industrial. Designed to support grid-tied and off-grid scenarios, the Hybrid ESS cabinet offers seamless integration and maximized space utilization, making it an ideal choice for growing energy. Multi-dimensional integration :Advanced DC coupling seamlessly integrates PV and storage; 20ms auto-switching between grid-connected and off-grid modes. Intelligent energy:Supports multiple strategies: self-consumption, peak loading shifting,and backup power supply;Built-in EMS adapts flexibly to. The ESS-GRID Cabinet series are outdoor battery cabinets for small-scale commercial and industrial energy storage, with four diferent capacity options based on diferent cell compositions, 200kWh, 215kWh, 225kWh, 241kWh, etc. They can be widely used in farms, animal husbandry, hotels, schools. Design and specifications are subject to change without notice. 0-2025 (Preliminary) Operating Temperature Range Operating Humidity Range Max. Operating Altitude Cooling Method Protection Degree Dimensions (W*H*D) Weight . A dual-purpose outdoor ESS that combines solar storage with integrated EV charging — reducing costs, maximizing clean energy use, and powering vehicles day and night. Why Choose Wenergy Hybrid Energy Storage.



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GRADE A BATTERY

LiFePO4 battery will not burn when overcharged, over discharged, overcurrent or short circuit and can withstand high temperatures without decomposition.



ESS-GRID Cabinet Brochure EN-250106

The ESS-GRID Cabinet series are outdoor battery cabinets for small-scale commercial and industrial energy storage, with four different capacity options based on different cell compositions, 200kWh, ...

215kWh Smart PV Ess Cabinet

All-in-one Design Integrated PV and storage system with super wide PV input voltage Small footprint and IP54 protecting grade for outdoor installation environment; Safe & Reliable High-performance ...



Product Model

HJ-ESS-215A(100KW/215KWh)
HJ-ESS-115A(50KW/115KWh)

Dimensions

1600*1280*2200mm
1600*1200*2000mm

Rated Battery Capacity

215KWH/115KWH

Battery Cooling Method

Air Cooled/Liquid Cooled



Smart ESS All-In-One Cabinet

Intelligent BMS, Automatic Restoration and Maintenance-free Three-level Fire Protection System, Achieving Comprehensive Protection No Isolation Design, Improving System Efficiency Independent ...

[Hybrid ESS Energy Storage System Manufacturer & Supplier, Wenergy](#)

Hybrid ESS is flexible and scalable, making it ideal for homes and businesses. They store excess solar energy, provide reliable backup power, reduce electricity costs, and support energy independence ...



215 kWh storage + EV fast charging in one cabinet

The Monet-100 ESS combines 215 kWh of lithium iron phosphate storage with integrated DC fast charging ports and solar PV input. Supporting peak shaving, valley filling, and 24/7 uninterrupted ...



Max-Solaris Intelli-PV ESS Cabinet

Simple & user-friendly: Compact design for easy installation; Remote monitoring for effortless operation.



[SolaX ESS-AELIO , C& I Energy Storage ESS Cabinet , 50kW/60kW](#)

With support for 200% PV oversizing and a maximum 40A DC input current, the Hybrid ESS Cabinet ensures high throughput for large-scale solar integration. Global MPP scanning maximizes energy ...



[DS_Hybrid ESS](#)



[Cabinet Datasheet_V1.0-2025_EN \(Preliminary\)](#)

Innovative liquid cooling technology, extend battery life by 20% PV-ESS integrated, lower system cost AI dynamic MPPT, boosting power generation by 5% DC coupled solution, higher ...



[Modular ESS Cabinet Solutions for Commercial Use: Flexible](#)

This article explores what modular ESS cabinets are, how they work, their advantages, and why they are becoming the preferred choice for commercial users, EPCs, and distributors ...

[Energy Storage System Products List, HUAWEI Smart PV Global](#)

Energy Storage System Products List covers all Smart String ESS products, including LUNA2000, STS-6000K, JUPITER-9000K, Management System and other accessories product series.





Contact Us

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