

# Weather stations use smart pv- ess integrated cabinets with ultra-high efficiency



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### **Ener Hexon(R) Smart 103P PV&ESS All-in-One Cabinet-Ener Hexon(R)**

The Ener Hexon(R) Smart 103P is an integrated energy storage solution that combines 9 air-cooling battery packs, a 50kW hybrid inverter, a BMS, an EMS, an intelligent temperature control system, a

### **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



### **SNEC 2025: AI meets All-in-One PV & ESS**

Featuring an all-in-one architecture, the system integrates high-performance PCS, EMS, and BMS in a single cabinet-boosting space utilization by 36%. Its plug-and-play multi-unit parallel

### **Outdoor Cabinet Energy Storage System (ESS) for PV Storage**

This system is highly suitable for use in microgrids, remote areas, industrial parks, EV charging stations, and residential buildings. It integrates advanced energy storage management, photovoltaic charging,





## **PV communication boxes & PV weather stations**

Our PV weather stations are the interface between weather sensors and the plant monitoring and deliver data to maximize the energy output. The portfolio offers certified and ready-to-use cabinets for PV

## **Weather stations use smart photovoltaic energy storage**

A photovoltaic weather station, specifically designed for solar PV systems, is an intelligent monitoring solution that integrates high-precision sensors and IoT technology to collect, analyze, and transmit



## **2025 ESS Reconfiguration Reshapes PV-ESS Landscape**

At MateSolar, we integrate these cutting-edge technologies into tailored PV-ESS solutions that address the unique requirements of utility, commercial, industrial, and residential

## **Integrated Energy Storage System**

Adaptive to harsh environments: Free from impacts of extreme cold and heat; Intelligent dehumidification inside cabinets to eliminate condensing risks.



## **All-in-one Cabinet consists of power battery cluster**

CB Smart100 PV ESS All-in-one Cabinet consists of power battery cluster, hybrid inverter, variable frequency temperature control system, BMS, EMS, combined precision suppression and burst

## **10mwh smart pv-ess integrated cabinet for weather stations**

The Smart ESS is a fully integrated plug and play energy storage solution that are ready for connection to medium-or high-voltage grids and offers proven hardware to meet energy storage and grid support



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