

**Espay Solar Energy S.L.**

# **Ultra-high efficiency photovoltaic outdoor cabinets for bridges**



## Overview

---

Combines high-voltage lithium battery packs, BMS, fire protection, power distribution, and cooling into a single, modular outdoor cabinet. Uses LiFePO<sub>4</sub> batteries with high thermal stability, extensive cycle life (up to 6000 cycles), and stable performance under load. Highjoule's Outdoor Photovoltaic Energy Cabinet and Base Station Energy Storage systems deliver reliable, weather-resistant solar power for telecom, remote sites, and microgrids. Sustainable, high-efficiency energy storage solutions. The eMIMO architecture supports multiple input (grid, PV, genset) and output (12/24/48/57 V DC, 24/36/220 V AC) modes, integrating multiple energy sources into one. You can add many battery modules according to your actual needs for customization. This energy storage cabinet is a PV energy storage. bution systems, environmental control systems, and fire control sy iority is self-generation and self-use, and surplus electricity storage. It is built specifically for outdoor installation and integrates advanced LiFePO<sub>4</sub> battery.

## Ultra-high efficiency photovoltaic outdoor cabinets for bridges

---



### 100KW-215kWh Outdoor Cabinet Energy Storage System (Air-Cooled)

Discover the advanced 100KW-215kWh Outdoor Cabinet Energy Storage System with air-cooled technology. Ideal for peak shaving, backup power, and enhancing renewable energy use in industrial ...

### Outdoor Photovoltaic Energy Cabinet

Combines high-voltage lithium battery packs, BMS, fire protection, power distribution, and cooling into a single, modular outdoor cabinet. Uses LiFePO4 batteries with high thermal stability, extensive cycle ...



### One Site One Cabinet Power Cabinet Solution

One cabinet per site is sufficient thanks to ultra-high energy density and efficiency. The eMIMO architecture supports multiple input (grid, PV, genset) and output (12/24/48/57 V DC, 24/36/220 V ...



## 100KWh Outdoor Cabinet Series Energy Storage System

The intelligent air cooling system in the Highjoule 100KWh Outdoor Cabinet Series ensures optimal thermal management, maintaining battery efficiency and longevity. It adapts to varying environmental ...



## Outdoor Photovoltaic Energy Cabinet, Base Station Energy Storage

Highjoule's Outdoor Photovoltaic Energy Cabinet and Base Station Energy Storage systems deliver reliable, weather-resistant solar power for telecom, remote sites, and microgrids.

## Telecom Site Energy Storage Cabinet

The outdoor photovoltaic energy cabinet can provide reliable housing for network servers, edge computers, professional equipment, monitoring systems, photovoltaic, and battery systems.



## Energy Storage Cabinet Outdoor 20KW 50KWh/ 30KW 60KWh

Cooperate with solar panels to form an energy-saving and green photovoltaic



storage system, making it easier to build an independent energy storage system for residential and commercial use.

### 50kW/100kWh Outdoor Cabinet Energy Storage System

It adopts door-mounted embedded integrated air conditioning, which does not occupy cabinet space, improves the available space of outdoor cabinets, has better structural integrity at the top, and has ...



### Outdoor ODM BESS Energy Storage System , 50-100kWh Cabinet

Looking for an ODM BESS energy storage system? Our all-in-one outdoor cabinet (50-100kWh) features an IP55 design, LFP cells, and easy expansion for C& I applications.

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

Standardized Structure Design: Includes energy storage batteries, power conversion systems (PCS), photovoltaic

modules, and charging modules in a compact and highly efficient cabinet.



## Contact Us

For catalog requests, pricing, or partnerships, please visit:  
<https://espay.es>

