



Station EMS

HJ-EMS400



HJ-EMS400
Technical Specification

Parameter

| | |
|-----------------|--|
| Product model | HJ-EMS400 |
| Category | Configuration |
| Network | RJ45 * 4 (10/100Mbps), 4G module, Wi-Fi |
| Power Supply | DC12-24V, Power consumption < 5W |
| Serial Ports | CAN* 3, RS485* 11, USB * 1 |
| DIDO | DI * 8, DO * 6, AI * 2 |
| Environment | Temperature: -40℃ to 75℃, Humidity: 5% to 95% |
| Display | Optional external 7/10-inch touchscreen |
| Storage | Built-in 8GB electronic hard drive, External 32GB TF card supported |
| Dimensions | 215W * 140D* 45H |
| Basic Functions | Interface with PCS, BMS, environmental sensors, fire protection, high-voltage box, photovoltaic system, intelligent batteries, energy meters, etc. |

Application Scenarios

Photovoltaic-storage coordination, multi-storage centralized control, charging pile capacity expansion, energy balance scheduling, over-demand prevention, reverse flow prevention, and multi-level coordination.

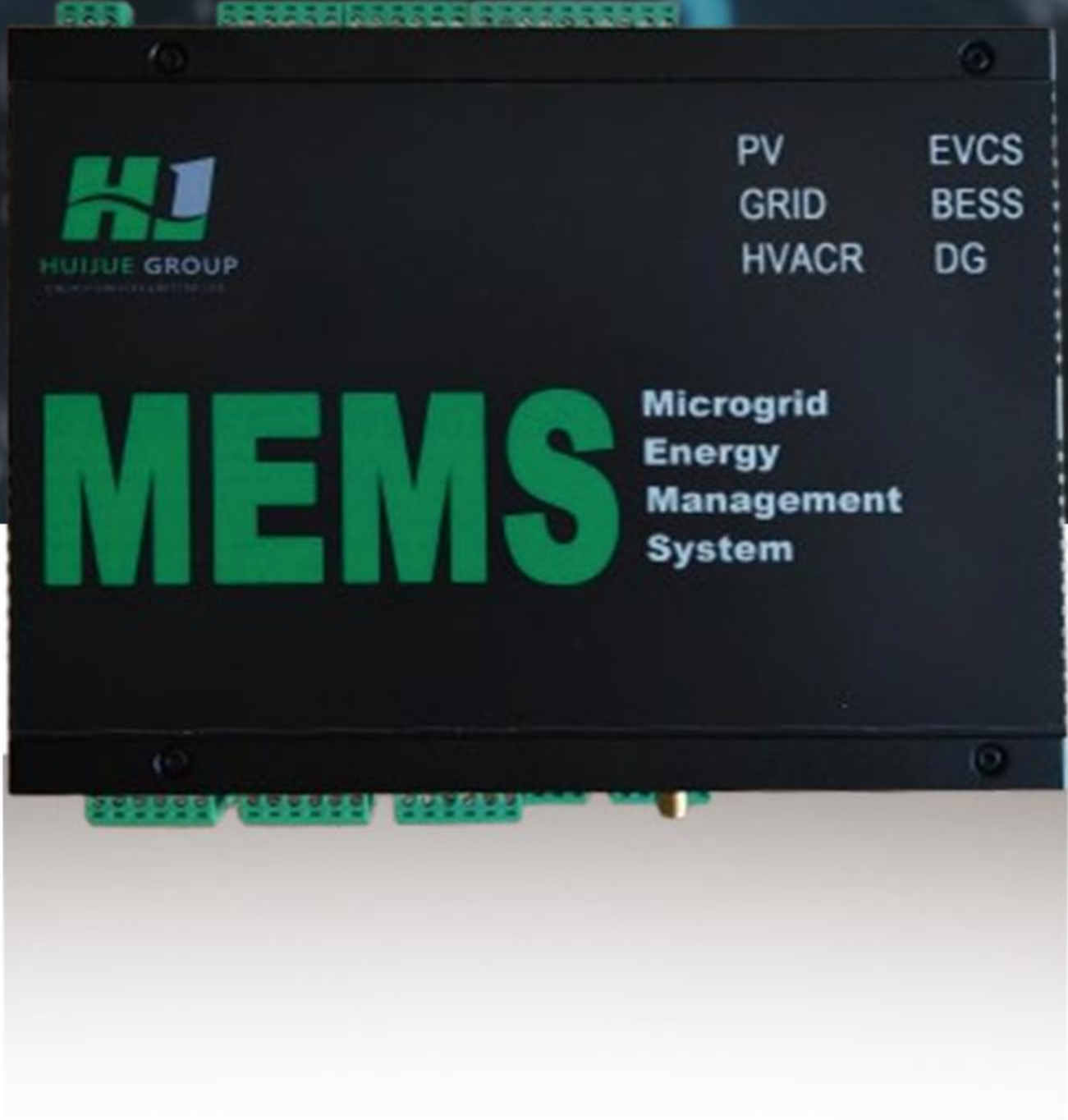
Photovoltaic-storage coordination: energy storage and photovoltaic work in coordination, transfer energy in time, and achieve maximum benefits.

Multi-storage centralized control: solves the coordinated operation of multiple energy storage cabinets in the park, total over-demand prevention, and reverse flow.

Charging pile capacity expansion: increase the number of charging piles installed to solve the problem of insufficient transformer capacity.

Product Introduction

The HJ-EMS400 Station-level EMS System is an advanced energy management solution designed for the collaborative management of photovoltaic (PV), energy storage, and charging piles. It aims to optimize energy system performance to enhance renewable energy utilization, reduce energy costs, and achieve more sustainable energy management. Key features include intelligent dispatch and optimization, real-time monitoring and response, grid interaction and backup power support, fault prediction, and remote maintenance.



Multi-Unit Balancing
Intelligent Algorithm



Energy Mutual Support



Hierarchical Direct-
Connect Privatized
Service



Zero-Trust Security
Operations Upgrade