



# Outdoor cabinet series industrial and commercial energy storage system

HJ-G20-100F  
HJ-G50-100F

## Product Introduction

Huijue Group's commercial and industrial energy storage system adopts an integrated design concept, integrating the battery, battery management system BMS, energy management system EMS, modular inverter PCS, and fire protection system in a single cabinet. The modular design is very flexible and can be applied to various scenarios and applications. It has the functions of grid voltage regulation, three-phase unbalance control, harmonic control, etc. It can improve power quality, load tracking, backup power, peak and valley regulation, etc. It can reduce enterprise energy costs, increase the use of green energy, and maintain safe and stable operation of the system.



Fast power response



Local collection



One-piece design



Intelligent installation



## HJ-G20-100F HJ-G50-100F Technical Specification

### Parameter

Product model	HJ-G20-100F	HJ-G50-100F
Cell Type	LFP3.2V/280Ah	LFP3.2V/280Ah
Combined Configurations	1P112S	1P112S
Energy Rating	100kWh	100kWh
Voltage Range	280~408V	280~408.8V
Number Of Cycles	>8000 cycles @70%EOL,25°C	>8000 cycles @70%EOL,25°C
Communication Interface	RS485,CAN,Ethermet	RS485,CAN,Ethernet
Standards-compliant	gb/t 36276,gb/t34131	gb/t 36276,gb/t34131
Maximum Input Power	30kW	75kW
Maximum Input Voltage	1000V	1000V
MPPT Voltage Range	180V-900V	180V-900V/630V
Starting Voltage	120V	180V
Maximum Input Current	28A/28A	36A/36A/36A/36A
Maximum short-circuit current	32A/32A	42A/42A/42A/42A
Number of MPPTs	2	4
Number of strings per MPPT input	45690	2/2/2/2
Grid-connected output parameters		
Rated output power	20kW	50kW
Rated grid voltage	380/400V,3L/N/PE	380/400V,3L/N/PE
Rated current	31A	75A

## Application Scenarios

More suitable for small villa areas and small commercial and industrial scenes

1. Cutting peaks and filling valleys  
Discharge electricity at times of peak demand to reduce costly electricity bills
2. Improve the stability of the electricity system  
Smoothing intermittent renewable energy output by storing power and dispatching it when needed
3. Electricity backup  
Powering loads in the event of a grid failure, or for backup in areas without electricity