

100KWh

Outdoor cabinet series industrial and commercial energy storage system

HJ-G20-100F

HJ-G50-100F

Key Elements

- ☑ Cooling :Air Cooling
- ☑ Power :20KW/100KWh;50KW/100KWh
- ☑ Model :HJ-G20-100F/HJ-G50-100F
- ☑ Energy Capacity :100KWh
- ☑ Battery Cell :LFP 3.2V/280Ah



Fast power response

support virtual power plant, grid-connected, off-grid and other modes



Local collection

intelligent monitoring, remote operation and maintenance



Standardized interface

can be connected in parallel with multiple machines, easy to expand capacity, batch manufacturing process is easier to ensure that



One-piece design

significantly reduces transportation, on-site installation time and cost



Intelligent installation

and operation and maintenance, support node adaptive, fault indication, etc., site and operation and maintenance workload reduced by 70%



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

Technical Specification

Product Number	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℃	>8000 cycles @70%EOL,25℃
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/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
Battery System	Including 1 set of battery PACK, BMS system, more than 3000 cycles	SET1
Photovoltaic Storage Inverter	1) Photovoltaic input power: ≥5KW and photo-voltaic voltage 125V~500V, with MPPT; 2) AC voltage: 230V, frequency 50HZ/60HZ, output power 5KW; 3) Battery voltage: 48V 4) With LCD/LED display, with communication RS485;	PCS1
	WIFI module, matching the optical storage integrated inverter for use	PCS1
Power Distribution System	/	SET1
Accessories in the cabinet	/	SET1
Solar Panel	550W, monocrystalline silicon, single plane, N type	PIECE6
Solar Panel Bracket	Suitable for the use of solar photovoltaic panels, the photovoltaic bracket is installed in the inclined roof	SET6
Direct Current Cable	PV1-F 1*4mm²RED	M12
Direct Current Cable	PV1-F 1*4mm²BLACK	M12
Ground Lead	MC4 male and female Junctors, including male and female Junctor pins.	SET2
Wooden Packaging	/	SET1

Contact Us

Web: www.hj-ess.com
Email: chinahuijue@gmail.com
WhatsApp: +86 136 5163 8099
Shanghai HuiJue Technologies Group Co., Ltd



WhatsApp Version1.0