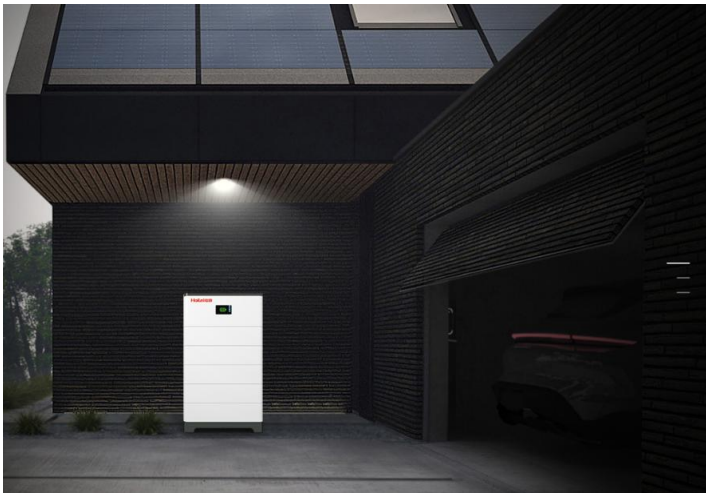


# Home ESS-HV Series

**Residential Energy Storage System—High  
Voltage Battery Series**





Home energy storage system, modular high-voltage battery, suitable for residential energy storage, one set to solve the electricity consumption of the whole house.

## FEATURES



Using safe lithium iron phosphate square battery as the main body of energy storage, with feature of large capacity, light weight, large power;



Modular structure, can form a small combination of various energy levels, easy maintenance, plug and play;



Modular design for fast transportation and easy installation



LED lights display the parameters of the equipment in real time, and the running status is clear at a glance;

- It can match to main hybrid inverter in the market, easy to use;
- With functions of over charge and discharge protection, power supply monitoring and low power alarm;
- **The maximum capacity of a single cluster is 20.48kWh, and it supports 16 clusters in parallel**



## PARAMETER

Module Quantity	3	4	5	6	7	8
Nominal Capacity(KWh)	7.68	10.24	12.8	15.36	17.92	20.48
Cell Matching	48S1P	64S1P	80S1P	96S1P	112S1P	128S1P
Working Voltage Range(V)	136.8-172.81	182.4-230.4	228-288	273.6-345.6	319.2-403.2	364.8-460.8
Nominal Working Power(Kwh)	7.68	10.24	12.8	15.36	17.92	20.48
Dimension(mm)	550*380*130					
Battery Type	LFP(LiFePO4)					
Nominal Working Current	50					
Communication Port	CAN/RS485					
Working Temperature Range	Charge: 0-45°C/Discharge: -20-50°C					
Working Relative Humidity(%rh)	0-95%rh					
Working Altitude(M)	≤4000m					
Waterproof	IP65					
Installation Method	Floor-Standing					
Cycle Life	10 Years					

## APPLICATION

