

HoyHome Residential BESS

High-voltage Series

Minimalist Design, Sturdy and Elegant

Active safety by intelligent insulation detection preventing arcing or breakdown

Higher efficiency, Compact Design and Lightweight

Enhanced Fire Protection at PACK Level

IP65 Rating, suitable for outdoor and indoor installation

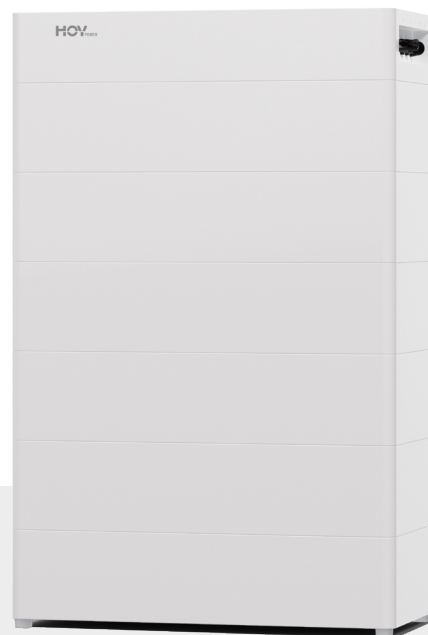
Longer lifetime

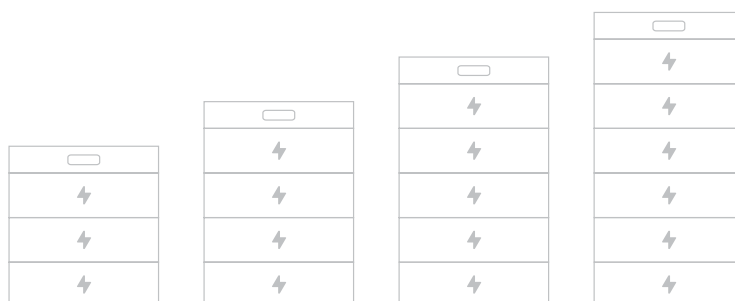
Higher load capacity

Supports wifi, Bluetooth, remote monitoring, diagnosis and upgrade

Wire-Free Design: Effortless Installation and Expandability

Modular design to meet different capacity demands





Model	HoyHome-HV10	HoyHome-HV15	HoyHome-HV19	HoyHome-HV23
Battery Type	LFP	LFP	LFP	LFP
Configuration	1P72S	1P96S	1P120S	1P144S
Rated Voltage(V)	230.4	307.2	384	460.8
Rated Energy (KWh)	11.52	15.36	19.2	23.04
Rated Charging Current (A)	25	25	25	25
Maximum Charging Current (A)	30	30	30	30
Rated Discharge Current (A)	25	25	25	25
Maximum Discharge Current (A)	30	30	30	30
Operating Voltage Range (V)	201.6~259.2	268.8~345.6	336~432	403.2~518.4
Dimensions (W*D*H)(mm)	Battery: 635*335*565 PCS: 502*202*486	Battery: 635*335*710 PCS: 502*202*486	Battery: 635*335*855 PCS: 502*202*486	Battery: 635*335*1000 PCS: 502*202*486
Weight(kg)	158.5	198.5	238.5	278.5
Communication Interface	RS485, WiFi/Ethernet/4G, CAN			
IP Rating	IP65			
Cooling Mode	Natural Cooling			
Relative Humidity	10-95% (no condensation)			
Operating Temperature (°C)	Charge :0 ~ 45 Discharge :-20 ~ 45			
Altitude (m)	≤ 2000 (>2000m derating)			
Mounting	Floor standing			
Life Cycle	6000 cycles (25°C, 0.5C, 90%DOD, EOL70%)			
Rated Capacity(Ah)	50			
Rated Power(KW)	5.76	7.68	9.6	11.52
Rated Charge/Discharge Rate	0.5C			
Storage Temperature (long term)	-30°C ~ 60°C			
Noise (dB)	< 40			
Anti-corrosion	C4			
Protocol	RS485, CAN			
AC side				
Nominal AC Power (KVA)	6	8	10	12
AC Overload Capacity (KVA)	6.6	8.8	11	12
AC Connection	Three-Phase Four-Wire System			
Rated Grid Voltage (Vac)	380/400			
Nominal Grid Frequency (Hz)	50/60			
Max. THD of Current	< 3%			
Power Factor	0.8			
Percentage of Voltage Regulation	≤ ±1%			
Percentage of Current Regulation	≤ ±1%			
Max. Conversion Efficiency	97.6%			
Cooling Eode	Natural Cooling			
Compliance	Battery	IEC62619; UN38.3;		
	PCS	EN50549,VDE-AR-N4105,AS/NZS4777.2; IEC62109-1,IEC62109-2; EN61000-6-1,EN61000-6-3; CEI 0-21		