

# HoyHome Residential BESS

## Low-voltage Series

### Minimalist Design, Sturdy and Elegant

PACK level fire protection, quick response, safe and reliable

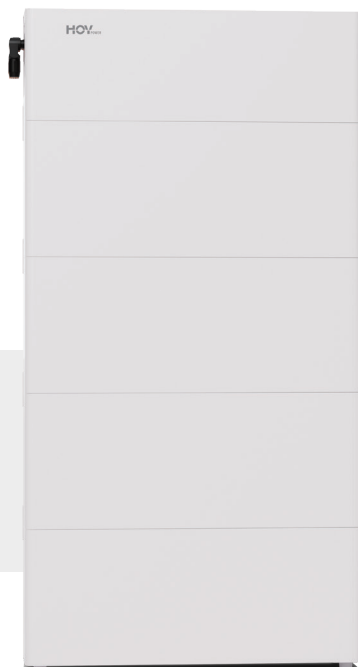
IP65 Rating, suitable for outdoor and indoor installation

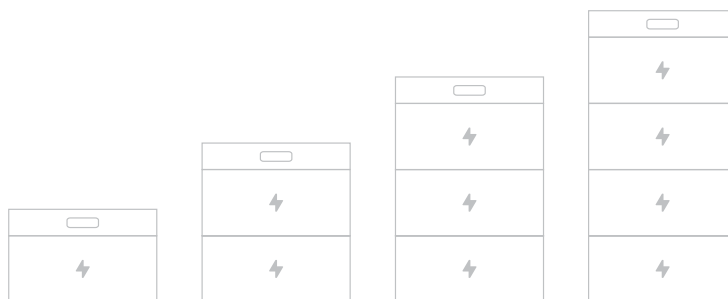
Highly modular design to meet different capacity demands

### Supports wifi, Bluetooth, remote monitoring, diagnosis and upgrade

Wiring free design, ultra-convenient for installation and capacity expansion

Integrated self-heating function, suitable for operation at low temperatures





Model	HoyHome-LV05	HoyHome-LV10	HoyHome-LV15	HoyHome-LV20
Battery Type	LFP	LFP	LFP	LFP
Configuration	1P16S	2P16S	3P16S	4P16S
Rated Voltage(V)	51.2	51.2	51.2	51.2
Operating Voltage Range (V)	44.8 ~ 57.6			
Rated Energy (KWh)	5.12	10.24	15.36	20.48
Rated Charge/Discharge Current (A)	50	100	150	150
Maximum Charge/Discharge Current (A)	50	100	150	150
Communication Interface	WiFi/Ethernet/4G	RS485,WiFi/Ethernet/4G		
Connection Mode	Quick plug and unplug ports			
Operating Temperature (°C)	Charging/discharging : -20 ~ 45			
Storage Temperature (long term) (°C)	-30 ~ 60			
Relative Humidity	10% ~ 95% (No condensation)			
Dimensions (W*D*H)(mm)	Battery: 665*200*503 PCS: 502*202*461	Battery: 665*200*770.7 Inverter: 502*202*461	Battery: 665*200*1038.4 Inverter: 502*202*461	Battery: 665*200*1306.1 Inverter: 502*202*461
Weight (kg)	85.5	133.5	181.5	229.5
IP Rating	IP65			
Altitude (m)	≤ 2000 (>2000m derating)			
Cooling Mode	Natural Cooling			
Warranty	10 years			
Rated Capacity (Ah)	100	200	300	400
Rated Power (KW)	2.56	5.12	7.68	10.24
Rated Charge/Discharge Rate	0.5C			
Life Cycle	6000 cycles (25°C, 0.5C, 90%DOD, EOL70%)			
System Efficiency	≥ 95%			
Communication Protocol	RS485, CAN			
Anti-corrosion	C4			
Noise (dB)	< 40			
<b>AC side</b>				
Nominal AC Power (KVA)	3	5	6	12
AC Overload Capacity (KVA)	3	5	6	13.2
AC Connection	Single Phase			
Rated Grid Voltage (V)	230			
Rated Voltage Frequency (Hz)	50/60			
Max.TH.D of Current	< 3%			
Power Factor	0.8			
Percentage of Voltage Regulation	≤ ±1%			
Percentage of Current Regulation	≤ ±1%			
Max. Conversion Efficiency	97.6%			
Cooling Mode	Natural Cooling			
<b>Compliance</b>	Battery	IEC62619; UN38.3		
	PCS	EN50549,VDE-AR-N4105,AS/NZS4777.2; IEC62109-1, IEC62109-2; EN61000-6-1,EN61000-6-3		