

BATTERY PACK

PRODUCT FEATURE



Expandable Capacity

Effortlessly combine multiple units to increase energy output as needed.



Flexible Investment Options

Supports up to three units in parallel, with a total capacity of up to 57 kWh.



Exceptional Reliability

Our LFP-based battery technology ensures consistently high performance.



Enhanced Safety Features

Intelligent temperature control guarantees battery safety and longevity.



Effortless Installation

Modular design allows for quick and seamless integration.



Extended Service Life

Optimized cycle life exceeds 6000 cycles for long-lasting reliability.



IP65 Protection Rating

Water- and dust-resistant, designed to withstand harsh environments.



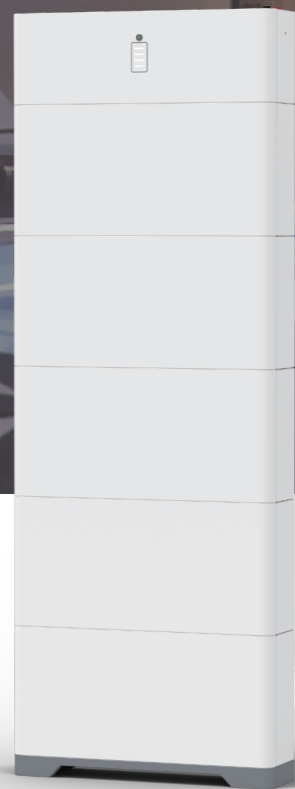
Superior Efficiency

Experience maximum efficiency with up to 100% usable energy.



Eco-friendly Design

Free of heavy metals and corrosive materials for minimal environmental impact.



HBP-00007KUNHV

HBP-00011KUNHV

HBP-00015KUNHV

HBP-00019KUNHV

TECHNICAL SPECIFICATION

	HBP-00007KUNHV	HBP-00011KUNHV	HBP-00015KUNHV	HBP-00019KUNHV
System				
Battery System Capacity (kWh)	7.6	11.4	15.2	19
Usable Capacity (kWh)	7.6	11.4	15.2	19
Numbers of Battery Modules	2	3	4	5
Rated Battery Voltage (V)	204.8	307.2	409.6	512
Operating Battery Voltage Range (V)	160-230	240-345	320-460	400-576
Rate Power (kW)	5	7.5	10	12.5
Rated Discharging Current (A)	25.9	25.9	25.9	25.9
Max Discharging Current (A)	37	37	37	37
Rated Charging Current (A)	18.5	18.5	18.5	18.5
Max Charging Current (A)	25.9	25.9	25.9	25.9
Peak Discharging/Charging Current (A)	148/55.5@5S	148/55.5@5S	148/55.5@5S	148/55.5@5S
System Dimensions (W*H*D) (mm)	625*830*250	625*1145*250	625*1460*250	625*1775*250
System Net Weight (kg)	113	161	209	257
Communication	RJ45 (RS485, CAN, Dry contact)			
Module				
Battery Module Number	HBP-0003K8UNHV			
Battery Module Capacity (kWh)	3.8			
Rated Battery Module Voltage (V)	102.4			
Battery Module Dimensions (W*H*D) (mm)	625*315*250			
Battery Module Net Weight (kg)	48			
Control Box Module Dimensions (W*H*D) (mm)	625*150*250			
Control Box Net Weight (kg)	12			
Environment				
Operating Temperature	(-10°C~50°C)			
Operating Humidity	0~95%RH			
Operating Altitude	≤3000m			
Installation	Wall-mounted or Floor type			
Enclosure Protection Rating	IP65			
Warranty	10years			
Cycle File	≥6000 cycles @ 75% EOL,25°C,100% DOD			
Certification				
Certification	IEC62619/UN38.3			

Residential Energy Storage Solution

