



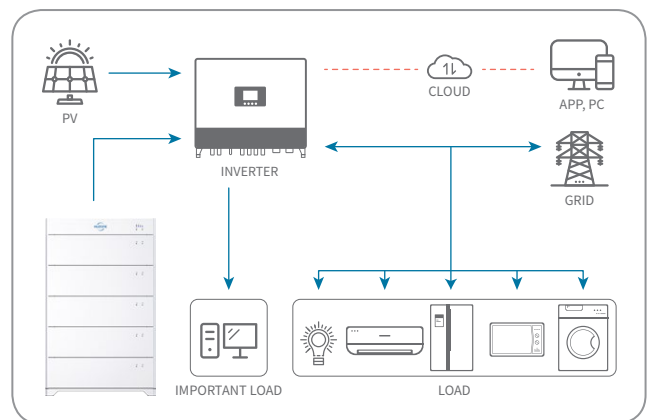
HBS-3900-H3~H5

# LFP / LiFePO4 Stacked Battery System

11.9kWh / 15.9kWh / 19.9kWh



- ✓ Inverter protocol auto-match
- ✓ 6000 cycles at 90%DOD
- ✓ Capacity range from 11.9kWh to 19.9kWh
- ✓ Module level auto-balancing
- ✓ 1C/1C continual charge and discharge
- ✓ One hour quick charge
- ✓ Battery auto-force charge
- ✓ Undervoltage automatic restart
- ✓ Remote diagnosis and software upgrades
- ✓ Simple assembly and disassembly



Villa



Hotel



Residential electricity



Hospital



Museum



Church



Farm

Technical Data

HBS-3900-H3

HBS-3900-H4

HBS-3900-H5

**Battery Cell**

Battery Type	LFP / LiFePO4 (Lithium Iron Phosphate)
Specifications	3.2 V / 39 Ah

**Battery Unit**

Rated Energy	3.99 kWh
Rated Voltage	102.4 V
Specifications	102.4 V / 39 Ah
Composition	1 P32S/Cell

**Battery Pack**

Rated Energy	11.9 kWh	15.9 kWh	19.9 kWh
Number of Modules	3	4	5
Rated Voltage	307.2 V	409.6 V	512 V
Voltage Range	240~350.4 V	320~467.2 V	400~584 V
Standard Charge Current	40 A (1C)		
Standard Discharge Current	40 A (1C)		
Maximum Discharge Depth	90% DOD		

**General Data**

Ingress Protection Rating	IP65		
Cycle Life	≥6000 Cycles (25°C, 85% DOD) / ≥10 Years		
Communication	CAN		
Charge Temperature Range	0~50°C		
Discharge Temperature Range	-10~50°C		
Storage Temperature	-10~45°C		
Relative Humidity	20%~80%		
Cooling Method	Natural Cooling		
Standards and Certifications	CE/IEC62619/UL1973/UN38.3		
Weight	135 kg	175 kg	215 kg
Dimensions (WxDxH)	690x358x720 mm	690x358x910 mm	690x358x1100 mm

