



STACKABLE ALL-IN-ONE ESS

2PACK:6kW/10kWh

3PACK:9kW/15kWh

4PACK:12kW/20kWh

5PACK:15kW/25kWh



Safe & Reliable

- IP67, C4 salt spray resistance
- A+ grade cells with automotive-grade standard
- Smoke detection, active pressure relief
- Type II DC/AC surge protection, lightning-proof
- 300m AFCI detection with 0.5s rapid shutdown

Convenient Installation

- No meter/CT or additional accessories
- No electrical system modifications needed
- Stackable design for 10-25kWh capacity flexibility

Advanced Performance

- Industry-first zero injection without meter/CT
- 160% overload capacity, 150% instant off-grid overload
- UPS-grade seamless on/off-grid switching
- Three-phase unbalanced output for max. PV utilization

Ultimate Experience

- Automotive-grade BMS for efficient energy management
- Scenario-based app with real-time energy monitoring
- AI-powered cloud with 24/7 alerts and optimization
- Intelligent control for generators and heat pumps

HYX-H6K/9K/12K/15K-HTA Technical Specifications



Product Model	HYX-H6K-HTA	HYX-H9K-HTA	HYX-H12K-HTA	HYX-H15K-HTA
System				
Hybrid Inverter			1	
Battery Module	2	3	4	5
Base			1	
PV Data				
Max. Input Power (max input power of each string)	160% Rated Total 9,600V(each string≤8,000W)	160% Rated Total 14,400V(each string≤8,000W)	160% Rated Total 19,200V(each string≤8,000W)	160% Rated Total 24,000V(each string≤8,000W)
Max. Input Voltage	1,000V			
MPPT Operating Voltage Range	140 ~ 980V			
Start-Up Voltage	160V			
Max. Input Current	20A / 40A			
Max. Short Circuit Current	30A / 60A			
Number of MPPT	2			
PV Input Number (Number of String Per MPPT)	3 (1 / 2)			
AC Data				
Grid Type	3/N/PE, 220V/380V, 230V/400V, 240V/415V			
Nominal Frequency	50Hz / 60Hz			
Max. Passthrough Current	63A per phase			
Max. Apparent Power Output to Utility	6,600VA	9,900VA	13,200VA	16,500VA
Output Power Factor	0.8 leading ... 0.8 lagging			
THDi	<3%			
Backup				
Max. Continuous Output Power	6,600W	9,900W	13,200W	16,500W
Peak Output Power (with PV)	150% Rated 9,000W, 10s	150% Rated 13,500W, 10s	150% Rated 18,000W, 10s	150% Rated 22,500W, 10s
Switch Time	<10ms			
Battery				
Battery Type	LiFePO4			
Total Battery Capacity	10.6kWh	15.9kWh	21.2kWh	26.5kWh
General				
Operating Temperature	-10~50 °C (Heating version: -20~50 °C)			
Cooling Method	Natural Cooling			
Ingress Protection	IP67			
Dimensions (W*H*D)	700*1320*200mm	700*1670*200mm	700*2020*200mm	700*2370*200mm
Weight	152kg	202kg	252kg	302kg
Max. Operating Altitude	4,000m			
User Interface	LED / App / Web			
Communication	CAN / RS485 / WIFI / 4G / LAN / PLC			

