Design and specifications are subject to change without notice.
Version 1.3-202507

STACKABLE ALL-IN-ONE ESS

2PACK:5.7kW/10kWh
3PACK:7.6kW/15kWh
4PACK:11.5kW/20kWh

Reliable Safety

- 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
- Supports Built-in MLPE Solutions

Convenient Installation

- Truly all-in-one system, no additional accessories
- Stackable design for 10-20kWh capacity flexibility
- Wireless quick-connect interface, plug-and-play

Advanced Performance

- 160% PV overload capacity
- System-level expert control
- Split-phase unbalanced output for max. PV utilization
- Microgrid support, off-grid activation of third-party grid-tied inverters

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

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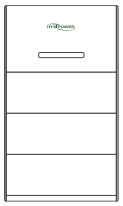
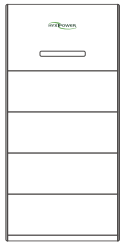
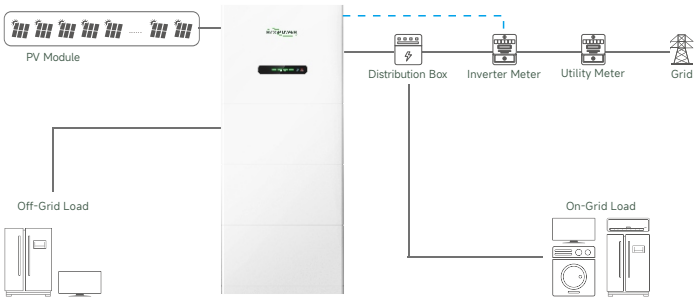
HYX-H5K7/7K6/11K5-HSPA

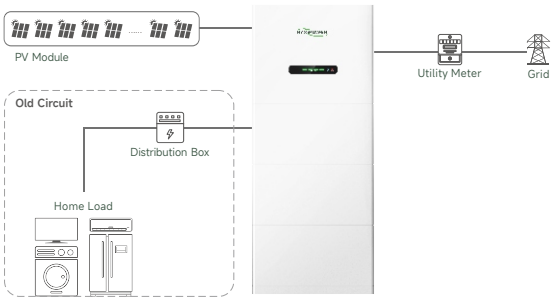
Technical Specifications

Product Model	HYX-H5K7-HSPA	HYX-H7K6-HSPA	HYX-H11K5-HSPA
System			
Hybrid Inverter		1	
Battery Module	2	3	4
Base		1	
PV Data			
Max. Input Power	160% Rated Total 9,200W (each string≤4,600W)	160% Rated Total 12,200W (each string≤4,600W)	160% Rated Total 18,400W (each string≤4,600W)
Max. Input Voltage		600V	
MPPT Operating Voltage Range		80 ~ 560V	
MPPTs		3	
Input Connectors per MPPT		1-1-2	
Max. Input Current		20A-20A-20A/20A	
Max. Short Circuit Current		30A-30A-30A/30A	
CEC Efficiency		96.6%	
Max. Efficiency		98.2%	
MLPE		Compatible with Tigo MLPE (TS4-A-F & RSS Transmitter)	
AFCI (Arc Fault Circuit Interrupter)		Integrated	
AC Data			
AC Continuous Output	5,700VA/23.75A	7,600VA/31.7A	11,500VA/48.0A
Current Carrying Capacity		200A per phase	
Nominal Output Voltage		2W+N+GND, 120/240 Vac	
Frequency		60Hz	
Backup			
Max. Continuous Output Power	5,700W/23.75A	7,600W/31.7A	11,500W/48.0A
Battery			
Battery Type		LiFePO4	
Total Capacity	10.6kWh	15.9kWh	21.2kWh
Smoke Detection		Integrated	
Pressure Relief Valve		Integrated	
General			
Operating Temperature		14°F~122°F/-10°C~50°C	
Surge Arrester		AC/DC II/II	
Cooling Method		Natural Cooling	
Max. Operating Altitude		4,000m	
Ingress Protection		IP67	
User Interface		LED / App / Web	
Communication		CAN / RS485 / WIFI / 4G / LAN / PLC	
Dimensions (W*H*D)	27.6*52.0*7.9" 700*1320*200mm	27.6*65.8*7.9" 700*1670*200mm	27.6*79.6*7.9" 700*2020*200mm
Weight		TOP module (103lb/46.4kg)*1+PACK (97lb/44kg)*N+base (13lb/5.6kg)*1	
Mounting Method		Floor Mounted	
Certification		UL9540, UL9540A, UL1741, UL1973, CEC Listed, IEEE1547, IEEE1547A, IEEE1547.1, UN38.3, CSA C22.2 No. 107.1-16, FCC15B	



Partial Home Backup



Whole Home Backup
(No old circuit adjustment)