

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 9,600W(each string≤8,000W) | 160% Rated Total 14,400W(each string≤8,000W) | 160% Rated Total 19,200W(each string≤8,000W) | 160% Rated Total 24,000W(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 | | | |
| 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 | | | |

