HYXI Aura All-In-One Storage System

HYX-H(7.5~12)K-HSPA2

Version 1.0-202610
Design and specifications are subject to change without notice.



Advanced Performance

- 63A Maximum Bypass Current
- 10000 Life Cycles
- 0ms Switch Time
- 7/9kWh High-Capacity Battery

Intelligent Design

- Built-in Meter
- Plug & Play, 5-Minute Installation
- Flexible Stacking Expansion
- Backup Integrated

Intelligent Management

- Whole Home Backup
- VPP Ready
- Active Balancing Technology Supported
- AI Electricity Pricing Scheduling
- Integrating the ChatGPT-5x Model

Safe & Reliable

- 7-Layer Battery Protection
- Standard Battery Heating
- Automotive-Grade Manufacturing

Technical Specifications

HYX-H7.5/8/12K-HSPA2

Product Model	HYX-H7.5K-HSPA2	HYX-H8K-HSPA2	HYX-H12K-HSPA2
PV Input			
Max. PV Input Power	15000W	16000W	240000W
Max. PV Input Voltage		600V	
MPPT Voltage Range		80-560V	
Start-up Voltage		50V	
Max. PV Input Current		20A/20A/20A/20A	
Max. Input Short Circuit Current Isc		30A/30A/30A/30A	
No. of MPP Trackers		4	
Number of string per MPP Trackers		1	
Battery Output / Input			
Battery Type		Lithium-ion	
Battery Voltage Range		380V-560V	
Rated Voltage		420V	
Max. Charge / Discharge Current	18.0A	19.5A	29.0A
AC On-grid Output / Input			
Nominal Output Power	7500W	8000W	12000W
Max. AC Output Apparent Power	7500VA	8800VA	12000VA
Max.Input Apparent Power		12000VA	
Rated AC Output Voltage / Range		127/220V, 120/240V	
Nominal AC Frequency / Range		50/60Hz	
Bypass		63A	

Technical Specifications

HYX-H7.5/8/12K-HSPA2

Product Model	HYX-H7.5K-HSPA2	HYX-H8K-HSPA2	HYX-H12K-HSPA2
Rated AC Output Current	34.1A/31.3A	36.4A/33.3A	54.5A/50A
Max. AC Output Current	34.1A/31.3A	40.0A/36.7A	54.5A/50A
Max.Input Current		63A	
Power Factor Range		>0.99 / 0.8 leading to 0.8 lagging	
DC Current Injection		<0.5 % In	
THDi (Rated Power)		<3%	
AC Off-grid Output			
Grid type		127/220V, 120/240V	
Nominal Frequency		50/60Hz	
Nominal Output Apparent Power	7500W	8000W	12000W
Max. Continuous Output Apparent Power	7500VA	8800VA	12000VA
Max. Peak Output Apparent Power	15000VA, 10s	16000VA, 10s	24000VA, 10s
Max. Peak Output Current	68.2A/62.6A	72.8A/66.6A	109.0A/100.0A
Max. Output Current	34.1A/31.3A	40.0A/36.7A	54.5A/50A
Switch Time		0ms	
THDi (Rated Power)		<3%	
Efficiency			
Max. Efficiency		98.6%	
European Efficiency		98.2%	
MPPT Efficiency		99.9%	
Other Technical Specification			
Display		LED & APP	
Ingress Protection		IP66	
Operating Ambient Temperature Range		-30 to 60°C	
Humidity		5 % ~ 95 %(No Condensing)	
Max. Operating Altitude		4000m	
Dimensions (W × H × D)		795*319*258mm	
Weight of Inverter		<38kg	
Cooling		Smart Cooling	
Communication		Wi-Fi/4G/LAN/CAN/RS485	
Noise Emission		<45 dB(A)	
Mounting Method		Floor/Wall Mounted	