

HYXI Aura All-In-One Storage System

HYX-H3K/3K6/4K/4K6/5K/6K/8K/10K/12K-HSA2

Version 1.3-202604 (Preliminary)

Design and specifications are subject to change without notice.



Advanced Performance

- 63A Maximum Bypass Current
- 10000 Life Cycles
- 0ms Switch Time
- 6/9KWh High-Capacity Battery

Intelligent Design

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

Intelligent Management

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

Safe & Reliable

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

Technical Specifications

HYX-H(3-12)K-HSA2

Product Model	HYX-H3K-HSA2	HYX-H3K6-HSA2	HYX-H4K-HSA2	HYX-H4K6-HSA2	HYX-H5K-HSA2
DC					
Max. PV Input Power	6000W	7200W	8000W	9200W	10000W
Max. PV Input Voltage	600V				
MPPT Voltage Range	80 - 560V				
Start-up Voltage	50V				
Max. PV Input Current	20 × 2A				
Max. Input Short Circuit Current Isc	30 × 2A				
No. of MPPT Trackers	2				
Number of String per MPPT Trackers	1				
AC On-Grid Output					
Nominal Output Power	3000W	3600W	4000W	4000W	4000W
Max. AC Output Apparent Power	3300VA	3960VA	4400VA	4400VA	4400VA
Rated AC Output Voltage / Range	220 or 230 or 240 / 183 - 276V				
Nominal AC Frequency / Range	50 / 45 - 55 or 60 / 55 - 65Hz				
Bypass	63A				
Rated AC Output Current	13.6 / 13.0 / 12.5A	16.4 / 15.7 / 15.0A	18.2 / 17.4 / 16.7A	20.9 / 20.0 / 19.2A	22.7 / 21.7 / 20.8A
Max. AC Output Current	15.0 / 14.3 / 13.8A	18.0 / 17.2 / 16.5A	20.0 / 19.1 / 18.3A	20.9 / 20.0 / 19.2A	25.0 / 23.9 / 22.9A
Power Factor Range	> 0.99 / 0.8 leading...0.8 lagging				
DC Current Injection	< 0.5%In				
THDi (Rated Power)	< 2%				
AC On-Grid Input					
Grid Type	220 or 230 or 240 / 183 - 276V				
Nominal Frequency	50 / 45 - 55 or 60 / 55 - 65Hz				
Nominal Output Apparent Power	3000VA	3960VA	4000VA	4600VA	5000VA
Max. Continuous Output Apparent Power	3000VA	3960VA	4000VA	4600VA	5000VA
Max. Peak Output Apparent Power	6000VA, 10s	7200VA, 10s	8000VA, 10s	9200VA,10s	10000VA,10s
Max. Output Current	15.0 / 14.3 / 13.8A	18.0 / 17.2 / 16.5A	20.0 / 19.1 / 18.3A	20.9 / 20.0 / 19.2A	25.0 / 23.9 / 22.9A
Transfer Time	< 4ms				
THDi (Rated Power)	< 2%				

Technical Specifications

HYX-H(3-12)K-HSA2

Product Model	HYX-H3K-HSA2	HYX-H3K6-HSA2	HYX-H4K-HSA2	HYX-H4K6-HSA2	HYX-H5K-HSA2
Efficiency					
Max. Efficiency			98.6%		
European Efficiency			98.2%		
MPPT Efficiency			99.9%		
BAT Charged by PV Max. Efficiency			97.7%		
BAT Charged / Discharged to AC Max. Efficiency			97.7%		
Other Technical Specification					
Display			LED & APP		
Ingress Protection			IP66		
Operating Ambient Temperature Range			-30 to +60°C		
Humidity			0% - 100% (Condensing)		
Altitude			4000m		
Dimensions (W*H*D)			795*315*260mm		
Weight of Inverter			< 38kg		
Cooling			Smart Cooling		
Communication			CAN / RS485 / Wi-Fi / 4G / LAN		
Noise Emmision			< 30dB(A)		
Mounting Method			Floor / Wall Mounted		
Standard					
Safety			IEC62109-1/-2		
EMC			IEC62619, UN38.3, IEC/EN 61000-6-1, IEC/EN 61000-6-2, IEC/EN 61000-6-3, IEC/EN 61000-6-4		
Grid Connection Standard			VDE4105, IEC61727/62116, VDE0126, AS4777.2, CEI 0 21, EN50549-1, G98, G99, C10-11, UNE217002, NBR16149/NBR16150		

Preliminary

Technical Specifications

HYX-H(3-12)K-HSA2

Product Model	HYX-H6K-HSA2	HYX-H8K-HSA2	HYX-H10K-HSA2	HYX-H12K-HSA2
DC				
Max. PV Input Power	12000W	16000W	20000W	24000W
Max. PV Input Voltage	600V			
MPPT Voltage Range	80 – 560V			
Start-up Voltage	50V			
Max. PV Input Current	20 × 2A	20 × 3A	20 × 4A	20 × 4A
Max. Input Short Circuit Current I _{sc}	30 × 2A	30 × 3A	30 × 4A	30 × 4A
No. of MPPT Trackers	2	3	4	4
Number of String per MPPT Trackers	1			
AC On-Grid Output				
Nominal Output Power	6000W	8000W	10000W	12000W
Max. AC Output Apparent Power	6600VA	8800VA	11000VA	12000VA
Rated AC Output Voltage / Range	220 or 230 or 240 / 183 - 276V			
Nominal AC Frequency / Range	50 / 45 - 55 or 60 / 55 - 65Hz			
Bypass	63A			
Rated AC Output Current	27.3 / 26.1 / 25.0A	36.4 / 34.8 / 33.3A	45.4 / 43.5 / 41.7A	54.6 / 52.2 / 50.0A
Max. AC Output Current	30.0 / 28.7 / 27.5A	40.0 / 38.3 / 36.7A	50.0 / 47.9 / 45.9A	54.6 / 52.2 / 50.0A
Power Factor Range	> 0.99 / 0.8 leading...0.8 lagging			
DC Current Injection	< 0.5%I _n			
THDi (Rated Power)	< 2%			
AC On-Grid Input				
Grid Type	220 or 230 or 240 / 183 - 276V			
Nominal Frequency	50 / 45 - 55 or 60 / 55 - 65Hz			
Nominal Output Apparent Power	6000VA	8000VA	10000VA	12000VA
Max. Continuous Output Apparent Power	6000VA	8000VA	10000VA	12000VA
Max. Peak Output Apparent Power	12000VA,10s	16000VA,10s	16000VA,10s	16000VA,10s
Max. Output Current	30.0 / 28.7 / 27.5A	40.0 / 38.3 / 36.7A	50.0 / 47.9 / 45.9A	54.6 / 52.2 / 50.0A
Transfer Time	< 4ms			
THDi (Rated Power)	< 2%			
Efficiency				
Max. Efficiency	98.6%			
European Efficiency	98.2%			
MPPT Efficiency	99.9%			
BAT Charged by PV Max. Efficiency	97.7%			
BAT Charged / Discharged to AC Max. Efficiency	97.7%			
Other Technical Specification				
Display	LED & APP			
Ingress Protection	IP66			
Operating Ambient Temperature Range	-30 to +60°C			
Humidity	0% - 100% (Condensing)			
Altitude	4000m			
Dimensions (W*H*D)	795*315*260mm			
Weight of Inverter	< 38kg			
Cooling	Smart Cooling			
Communication	CAN / RS485 / Wi-Fi / 4G / LAN			
Noise Emmision	< 30dB(A)			
Mounting Method	Floor / Wall Mounted			
Standard				
Safety	IEC62109-1/-2			
EMC	IEC62619, UN38.3, IEC/EN 61000-6-1, IEC/EN 61000-6-2, IEC/EN 61000-6-3, IEC/EN 61000-6-4			
Grid Connection Standard	VDE4105, IEC61727/62116, VDE0126, AS4777.2, CEI 0 21, EN50549-1, G98, G99, C10-11, UNE217002, NBR16149/NBR16150			

Technical Specifications

Product Model	HYX-E60B-HA		HYX-E90B-HA	
Battery Data				
Battery type	LiFePO4			
Cell Capacity	315Ah			
Cycle Life	10000			
Total Energy Capacity	6.04kWh			6.04kWh
Usable Energy Capacity	5.85kWh			8.79kWh
Depth of Discharge	100%			
Max. Charge / Discharge Power	3.0kW			4.6kW
Peak Charge / Discharge Power (10 minutes)	4.5kW			6.9kW
Peak Charge / Discharge Power (10 seconds)	6.0kW			9.2kW
Max. Output Current	8A			12A
Weight	59kg			76kg
Dimensions (W / H / D)	795*269*269mm			
Storage Temperature Range	-25 ~ 60°C			
Operating Temperature Range	-20 ~ 55°C			
Relative Humidity Range	5% ~ 95%			
Max. Operating Altitude	4000m			
Cooling	Natural Cooling			
System ingress protection rating	IP66			
Installation method	Floor standing / Wall-mounted			
Number of modules per controller	1 ~ 6			

Preliminary