

# HYXI Aura All-In-One Storage System

## HYX-H5K/6K/8K/9K9/10K/12K/15K/20K/25K/29K9/30K-HTA2

Version 1.4-202606 (Preliminary)  
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-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(5-30)K-HTA2

Product Model	HYX-H5K-HTA2	HYX-H6K-HTA2	HYX-H8K-HTA2	HYX-H9K9-HTA2	HYX-H10K-HTA2	HYX-H12K-HTA2
<b>DC</b>						
Max. PV Input Power	10000W	12000W	16000W	20000W	20000W	24000W
Max. PV Input Voltage	1100Vd.c.					
MPPT Voltage Range	140 ~ 1000Vd.c.					
Start-up Voltage	160Vd.c.					
Max. PV Input Current	2 × 20Ad.c.			3 × 20Ad.c.		
Max. Input Short Circuit Current Isc	2 × 30Ad.c.			3 × 30Ad.c.		
No. of MPPT Trackers	2			3		
Number of String per MPPT Trackers	1					
<b>AC On-Grid Output</b>						
Nominal Output Power	5000W	6000W	8000W	9999W	10000W	12000W
Max. AC Output Apparent Power	5500VA	6600VA	8800VA	9999VA	11000VA	13200VA
Rated AC Output Voltage / Range	3/N/PE, 220/380, 230/400, 240/415,304 ~ 476					
Nominal AC Frequency / Range	50/45-55 or 60/55 ~ 65Hz					
Bypass	63Aa.c.					
Rated AC Output Current	7.6/7.3/7.0Aa.c.	9.1/8.7/8.4Aa.c.	12.2/11.6/11.2Aa.c.	15.2/14.5/13.9Aa.c.	15.2/14.5/13.9Aa.c.	18.2/17.4/16.7Aa.c.
Max. AC Output Current	8.4/8.0/7.7Aa.c.	10.0/9.6/9.2Aa.c.	13.4/12.8/12.3Aa.c.	15.2/14.5/13.9Aa.c.	16.7/16.0/15.3Aa.c.	20.0/19.2/18.4Aa.c.
Power Factor Range	> 0.99/0.8 leading...0.8 lagging					
DC Current Injection	< 0.5%In					
THDi (Rated Power)	< 2%					
<b>AC On-Grid Input</b>						
Grid Type	3/N/PE, 220/380, 230/400, 240/415,304 ~ 476					
Nominal Frequency	50/45-55 or 60/55 ~ 65Hz					
Nominal Output Apparent Power	5000W	6000W	8000W	9999W	10000W	12000W
Max. Continuous Output Apparent Power	5500VA	6600VA	8800VA	9999VA	11000VA	13200VA
Max. Peak Output Apparent Power	10000VA, 10s	12000VA, 10s	16000VA, 10s	20000VA, 10s	20000VA, 10s	24000VA, 10s
Max. Output Current	8.4/8.0/7.7Aa.c.	10.0/9.6/9.2Aa.c.	13.4/12.8/12.3Aa.c.	9999VA	16.7/16.0/15.3Aa.c.	20.0/19.2/18.4Aa.c.
Transfer Time	< 0ms					
THDi (Rated Power)	< 2%					

## Technical Specifications

HYX-H(5-30)K-HTA2

Product Model	HYX-H5K-HTA2	HYX-H6K-HTA2	HYX-H8K-HTA2	HYX-H9K9-HTA2	HYX-H10K-HTA2	HYX-H12K-HTA2
<b>Efficiency</b>						
Max. Efficiency				98.65%		
European Efficiency				90.00%		
MPPT Efficiency				99.90%		
BAT Charged by PV Max. Efficiency				98.65%		
BAT Charged by AC Max. Efficiency				97.89%		
BAT Discharged to AC Max. Efficiency				98.23%		
<b>Other Technical Specification</b>						
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		
<b>Standard</b>						
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

### HYX-H(5-30)K-HTA2

Product Model	HYX-H15K-HTA2	HYX-H20K-HTA2	HYX-H25K-HTA2	HYX-H29K9-HTA2	HYX-H30K-HTA2
<b>DC</b>					
Max. PV Input Power	30000W	36000W	45000W	54000W	54000W
Max. PV Input Voltage	1100Vd.c.				
MPPT Voltage Range	140 ~ 1000Vd.c.				
Start-up Voltage	160Vd.c.				
Max. PV Input Current	3 × 20Ad.c.		4 × 20Ad.c.		
Max. Input Short Circuit Current I <sub>sc</sub>	3 × 30Ad.c.		4 × 30Ad.c.		
No. of MPPT Trackers	3		4		
Number of String per MPPT Trackers	1				
<b>AC On-Grid Output</b>					
Nominal Output Power	15000W	20000W	25000W	29999W	30000W
Max. AC Output Apparent Power	16500VA	22000VA	27500VA	29999VA	33000VA
Rated AC Output Voltage / Range	3/N/PE, 220/380, 230/400, 240/415,304 ~ 476				
Nominal AC Frequency / Range	50/45 ~ 55 or 60/55 ~ 65Hz				
Bypass	63Aa.c.				
Rated AC Output Current	22.8/21.8/20.9Aa.c.	30.4/29.0/27.8Aa.c.	37.9/26.3/34.8Aa.c.	45.5/43.5/41.7Aa.c.	45.5/43.5/41.7Aa.c.
Max. AC Output Current	25.0/24.0/23.0Aa.c.	33.4/31.9/30.6Aa.c.	41.7/39.9/38.2Aa.c.	45.5/43.5/41.7Aa.c.	50.0/47.9/45.9Aa.c.
Power Factor Range	> 0.99/0.8 leading...0.8 lagging				
DC Current Injection	< 0.5%I <sub>n</sub>				
THDi (Rated Power)	< 2%				
<b>AC On-Grid Input</b>					
Grid Type	3/N/PE, 220/380, 230/400, 240/415,304 ~ 476				
Nominal Frequency	50/45 ~ 55 or 60/55 ~ 65Hz				
Nominal Output Apparent Power	15000W	20000W	25000W	29999W	30000W
Max. Continuous Output Apparent Power	16500VA	22000VA	27500VA	29999VA	33000VA
Max. Peak Output Apparent Power	30000VA, 10s	30000VA, 10s	30000VA, 10s	36000VA,10s	36000VA,10s
Max. Output Current	25.0/24.0/23.0Aa.c.	33.4/31.9/30.6Aa.c.	41.7/39.9/38.2Aa.c.	45.5/43.5/41.7Aa.c.	50.0/47.9/45.9Aa.c.
Transfer Time	< 0ms				
THDi (Rated Power)	< 2%				
<b>Efficiency</b>					
Max. Efficiency	98.65%				
European Efficiency	90.00%				
MPPT Efficiency	99.90%				
BAT Charged by PV Max. Efficiency	98.65%				
BAT Charged by AC Max. Efficiency	97.89%				
BAT Discharged to AC Max. Efficiency	98.23%				
<b>Other Technical Specification</b>					
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				
<b>Standard</b>					
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	BAT-Q7	BAT-Q9
<b>Battery Data</b>		
Battery type	LiFePO4	
Cell Capacity	314Ah	
Cycle Life	10000	
Total Energy Capacity	7.03kWh	9.04kWh
Usable Energy Capacity	6.82kWh	8.77kWh
Depth of Discharge	100%	
Max. Charge / Discharge Power	3.5kW	4.6kW
Peak Charge / Discharge Power (10 seconds)	7.0kW	9.2kW
Max. Output Current	9.3A	12A
Weight	65kg	76kg
Dimensions (W × H × D)	795 × 269 × 269mm	
Storage Temperature Range	-25 to 60°C	
Operating Temperature Range	-20 to 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