

String Inverter

HYX-S7K/8K/9K/10K/12K-S

Version 1.3-2606

Design and specifications are subject to change without notice.



Reliable

- Type II Surge Protection
- 200m Detection Distance of AFCI, Shutdown within 0.5 Second at Fastest
- IP66, Suitable for Harsh Installation Environment



Simple

- Minimalist and Stylish Product Design
- Three-Step Quick Installation
- Rapid APP Configuration, Efficient and Convenient



Efficient

- 160% DC Oversizing, Wide MPPT Voltage Range
- 98.3% Conversion Efficiency
- 20A Large Current, Compatible with Major Module Types



Intelligent

- APP Intelligent O&M, All-Weather Power Station Management
- Visual Display, Energy Gain and Data Updated in Real Time
- Intelligent IV Curve Diagnosis, Fast Debugging

Technical Specifications

HYX-S7K/8K/9K/10K/12K-S

Product Mode	HYX-S7K-S	HYX-S8K-S	HYX-S9K-S	HYX-S10K-S	HYX-S12K-S
PV Input					
Max. Input Power	11200W	12800W	14400W	16000W	19200W
Max. Input Voltage			600Vd.c.		
Nominal Input Voltage			360Vd.c.		
Start-up Voltage			80Vd.c.		
MPPT Operating Voltage Range			40 ~ 560Vd.c.		
MPPT Full Load Voltage Range			200 ~ 500Vd.c.		
Max. Input Current Per MPPT	20/20Ad.c.	20/20Ad.c.	20/20/20Ad.c.	20/20/20Ad.c.	20/20/20Ad.c.
Max. Short-Circuit Current	24/24Ad.c.	24/24Ad.c.	24/24/24Ad.c.	24/24/24Ad.c.	24/24/24Ad.c.
Number of MPPT Trackers	2	2	3	3	3
Max. Input Number Per MPPT Tracker	1/1	1/1	1/1/1	1/1/1/1	1/1/1
AC Output					
Nominal Output Power	7000W	8000W	9000W	10000W	12000W
Max. Apparent Power	7700VA	8800VA	9900VA	11000VA	13200VA
Nominal Output Voltage			1/N/PE, 220Va.c./230Va.c./240Va.c.		
Nominal AC Grid Frequency			50/60Hz		
Nominal Output Current	31.8Aa.c./220Va.c.	36.4Aa.c./220Va.c.	40.9Aa.c./220Va.c.	45.5Aa.c./220Va.c.	54.5Aa.c./220Va.c.
	30.4Aa.c./230Va.c.	34.8Aa.c./230Va.c.	39.1Aa.c./230Va.c.	43.5Aa.c./230Va.c.	52.2Aa.c./230Va.c.
Max. Output Current	29.2Aa.c./240Va.c.	33.3Aa.c./240Va.c.	37.5Aa.c./240Va.c.	41.7Aa.c./240Va.c.	50Aa.c./240Va.c.
	35Aa.c./220Va.c.	40Aa.c./220Va.c.	45Aa.c./220Va.c.	50Aa.c./220Va.c.	60Aa.c./220Va.c.
	33.4Aa.c./230Va.c.	38.3Aa.c./230Va.c.	43Aa.c./230Va.c.	479Aa.c./230Va.c.	574Aa.c./230Va.c.
	32.1Aa.c./240Va.c.	36.7Aa.c./240Va.c.	41.3Aa.c./240Va.c.	45.8Aa.c./240Va.c.	55Aa.c./240Va.c.
Adjustable Power Factor			0.8 leading...0.8 lagging		
THDi			< 3%		

Technical Specifications

HYX-S7K/8K/9K/10K/12K-S

Product Model	HYX-S7K-S	HYX-S8K-S	HYX-S9K-S	HYX-S10K-S	HYX-S12K-S
Efficiency					
Max. Efficiency			98.3%		
European Weighted Efficiency			97.6%		
MPPT Efficiency			99.9%		
Protection					
Active Anti-islanding Protection			General Electric Frequency Shift		
Residual Current Monitoring			YES		
DC Reverse Polarity Protection			YES		
DC Switch			YES		
AC Short-circuit Protection			YES		
AC Overvoltage Protection			YES		
AC Overcurrent Protection			YES		
DC Surge Protection			Type II		
AC Surge Protection			Type II		
Ground Fault Detection			YES		
AFCI			YES		
General Data					
Operating Temperature Range			-30 to + 60°C		
Relative Operating Humidity			0 ~ 100% RH		
Operating Altitude			4000m		
Cooling			Natural Cooling		
Display			LED+App		
Communication			RS485/4G/WIFI		
Weight			23kg		
Dimensions (W × H × D)			522 × 416 × 162.5mm		
Topology			Non-Isolated		
Degree of Protection			IP66		
Overvoltage Level			PV II/AC III		
Optimizer Model			HYX-OP700		