

String Inverter

HYX-S3K/3K6/4K/4K6/5K/6K-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
- 98.2% Conversion Efficiency
- 18A High 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-S3K/3K6/4K/4K6/5K/6K-S

Product Model	HYX-S3K-S	HYX-S3K6-S	HYX-S4K-S	HYX-S4K6-S	HYX-S5K-S	HYX-S6K-S
PV Input						
Max. Input Power	4800W	5760W	6400W	7360W	8000W	8000W
Max. Input Voltage	600Vd.c.					
Nominal Input Voltage	360Vd.c.					
Start-up Voltage	100Vd.c.					
MPPT Operating Voltage Range	80 ~ 560Vd.c.					
MPPT Full Load Voltage Range	200 ~ 500Vd.c.					
Max. Input Current Per MPPT	18Ad.c.					
Max. Short-Circuit Current	24Ad.c.					
Number of MPPT Trackers	2					
Max. Input Number Per MPPT Tracker	1/1					
AC Output						
Nominal Output Power	3000W	3600W	4000W	4600W	5000W	6000W
Max. Apparent Power	3300VA	3960VA	4400VA	5060VA	5500VA	6600VA
Nominal Output Voltage	1/N/PE, 220V/230V/240Va.c.					
Nominal AC Grid Frequency	50/60Hz					
Nominal Output Current	13.6Aa.c.	16.4Aa.c.	18.2Aa.c.	20.9Aa.c.	22.7Aa.c.	27.3Aa.c.
Max. Output Current	15.0Aa.c.	18.0Aa.c.	20.0Aa.c.	23.0Aa.c.	25.0Aa.c.	30.0Aa.c.
Adjustable Power Factor	0.8 leading...0.8 lagging					
THDi	< 3%					

Technical Specifications

HYX-S3K/3K6/4K/4K6/5K/6K-S

Product Mode	HYX-S3K-S	HYX-S3K6-S	HYX-S4K-S	HYX-S4K6-S	HYX-S5K-S	HYX-S6K-S
Efficiency						
Max. Efficiency				98.2%		
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				-25 to + 60°C		
Relative Operating Humidity				0 ~ 100% RH		
Operating Altitude				4000m		
Cooling				Natural Cooling		
Display				LED+App		
Communication				RS485/4G/WIFI		
Weight				11.6kg		
Dimensions (W × H × D)				340 × 360 × 136mm		
Topology				Non-Isolated		
Degree of Protection				IP66		
Overvoltage Level				PV II/AC III		