

String Inverter

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

Version 1.5-202607

Design and specifications are subject to change without notice.



Safe & Reliable

- IP66, 1400+ Cumulative Rigorous Tests
- Type II DC/AC Surge Protection, Lightning-Proof
- 300m AFCI Detection with 0.5s Rapid Shutdown



Convenient & User-Friendly

- Compact and Lightweight Design, Plug and Play Installation
- App-Based Quick Setup



Profitable & Efficient

- 160% PV Oversizing for Extended Output
- 20A Design, Ideal for High-Power Modules
- 98.3% Efficiency with Wide MPPT Range



Smart & Manageable

- Intelligent IV Diagnostics for Precise Fault Identification
- Real-Time Energy Monitoring

Technical Specifications

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

Product Model	HYX-S7K-S	HYX-S8K-S	HYX-S9K-S	HYX-10K-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	210 ~ 500Vd.c.				
Max. Input Current Per MPPT	20Ad.c.				
Max. Short-Circuit Current	24Ad.c.				
Number of MPPT	2		3		
Max. Input Number Per MPPT	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, 220V / 230V / 240V				
Nominal AC Grid Frequency	50 / 60Hz				
Nominal Output Current	31.8Aa.c.	36.4Aa.c.	40.9Aa.c.	45.5Aa.c.	54.5Aa.c.
Max. Output Current	35Aa.c.	40Aa.c.	45Aa.c.	50Aa.c.	60Aa.c.
Adjustable Power Factor	0.8 leading...0.8 lagging				
THDi	< 3%				

Technical Specifications

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Product Model	HYX-S7K-S	HYX-S8K-S	HYX-S9K-S	HYX-S10K-S	HYX-S12K-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			-30 ~ + 60°C		
Relative Operating Humidity			0 ~ 100 %RH		
Operating Altitude			4,000m		
Cooling			Natural Cooling		
Display			LED+App		
Communication			RS485 / 4G / Wi-Fi		
Weight			23kg		
Dimensions (W*H*D)			522*416*162.5mm		
Topology			Non-Isolated		
Degree of Protection			IP66		
Overvoltage Level			PV II / AC III		