

HYXI EcoSavvy Series String Inverter

HYX-S(5-7.5)K-S2

Version 1.0-202608

Design and specifications are subject to change without notice



High Efficiency

- 98.4% Industry-Leading Efficiency
- Low Loss SiC Technology
- 200% PV Oversizing for Extended Output



Advanced Performance

- 50°C Full Power Stability
- 40V Low Startup Voltage
- 140~300V Wide AC Range



Strong Compatibility

- 20A Design, Adaptable to 700W+ Modules
- Single CT or Smart Meter for Export Control
- IP66 Outdoor Durability



User-Friendly Design

- Optional LCD, Direct Control
- Real-time Energy Monitoring
- Compact and Lightweight Design, Plug and Play Installation

Technical Specifications

HYX-S5K/6K/7K3/7K5-S2

Product Model	HYX-S5K-S2	HYX-S6K-S2	HYX-S7K3-S2	HYX-S7K5-S2
PV Input				
Max. Input Power	10000W	12000W	14600W	15000W
Max. Input Voltage	600Vd.c.			
Nominal Input Voltage	360Vd.c.			
Start-up Voltage	40Vd.c.			
MPPT Operating Voltage Range	40 ~ 560Vd.c.			
MPPT Full Load Voltage Range	200 ~ 500Vd.c.			
Max. Input Current Per MPPT	20Ad.c.			
Max. Short-Circuit Current	25Ad.c.			
Number of MPPT	2			
Max. Input Number Per MPPT	1			
AC Output				
Nominal Output Power	5000W	6000W	7300W	7500W
Max. Apparent Power	5500VA	6600VA	7300VA	7500VA
Nominal Output Voltage	220/230Va.c.			
Nominal AC Grid Frequency	50/60Hz			
Nominal Output Current	22.7Aa.c.	27.3Aa.c.	33.2Aa.c.	34Aa.c.
Max. Output Current	25Aa.c.	30Aa.c.	33.2Aa.c.	34Aa.c.
Adjustable Power Factor	0.8 leading...0.8 lagging			
THDi	< 3%			

Technical Specifications

HYX-S5K/6K/7K3/7K5-S2

Product Model	HYX-S5K-S2	HYX-S6K-S2	HYX-S7K3-S2	HYX-S7K5-S2
Efficiency				
Max. Efficiency			98.40%	
European Weighted Efficiency			97.60%	
MPPT Efficiency			99.90%	
Protection				
Active Anti-islanding Protection			YES	
Residual Current Monitoring			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 ~ + 60℃	
Relative Operating Humidity			0 ~ 100% RH	
Operating Altitude			4000m	
Cooling			Natural Cooling	
Display			LED+App (LCD Optional)	
Communication			RS485/Wi-Fi/4G (Optional)	
Weight			8.4kg	
Dimensions (W*H*D)			320*255*145 mm	
Topology			Non-Isolated	
Degree of Protection			IP66	
Overvoltage Level			PV II / AC III	