

HYXI EcoSavvy Series String Inverter

HYX-S(8-10.5)K-S2

Version 1.0-202608

Design and specifications are subject to change without notice



High Efficiency

- 98.5% 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

- Real-time Energy Monitoring
- Compact and Lightweight Design, Plug and Play Installation

Technical Specifications

HYX-S8K/10K/10K5-S2

Product Model	HYX-S8K-S2	HYX-S10K-S2	HYX-S10K5-S2
PV Input			
Max. Input Power	16000W	20000W	21000W
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		20/32Ad.c.	
Max. Short-Circuit Current		25/40Ad.c.	
Number of MPPT		2	
Max. Input Number Per MPPT		1/2	
AC Output			
Nominal Output Power	8000W	10000W	10500W
Max. Apparent Power	8800VA	10000VA	10500VA
Nominal Output Voltage		220/230Va.c., 140~300Va.c.	
Nominal AC Grid Frequency		50/60Hz	
Nominal Output Current	36.4Aa.c.	45.5Aa.c.	47.7Aa.c.
Max. Output Current	40Aa.c.	45.5Aa.c.	47.7Aa.c.
Adjustable Power Factor		0.8 leading...0.8 lagging	
THDi		< 3%	

Technical Specifications
HYX-S8K/10K/10K5-S2

Product Model	HYX-S8K-S2	HYX-S10K-S2	HYX-S10K5-S2
Efficiency			
Max. Efficiency		98.50%	
European Weighted Efficiency		97.80%	
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°C	
Relative Operating Humidity		0 ~ 100% RH	
Operating Altitude		4000m	
Cooling		Natural Cooling	
Display		LED+App	
Communication		RS485/4G/Wi-Fi	
Weight		≤12kg	
Dimensions (W*H*D)		340*360*136 mm	
Topology		Non-Isolated	
Degree of Protection		IP66	
Overvoltage Level		PV II / AC III	