



STRING INVERTER

HYX-S8K/10K/12K-T

Reliable

- Type II surge protection
- 200m detection distance of AFCI, shutdown within 0.5 second at fastest
- IP66, suitable for harsh installation environment

Efficient

- 160% DC oversizing, 98.5% conversion efficiency, wide MPPT voltage range
- Support PLC communication and adapt to optimizer
- 18A large current, compatible with major module types

Simple

- Minimalist and stylish product design
- Three-step quick installation
- Rapid APP configuration, efficient and convenient

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

Product Model	HYX-S8K-T	HYX-S10K-T	HYX-S12K-T
PV Input			
Max. Input Power	12,800W	16,000W	19,200W
Max. Input Voltage		1,100V	
Nominal Input Voltage		600V	
Start-up Voltage		160V	
MPPT Operating Voltage Range		140 - 1,000V	
MPPT Full Load Voltage Range		330 - 850V	
Max. Input Current Per MPPT		18A	
Max. Short-Circuit Current		24A	
Number of MPP Trackers		2	
Max. Input Number Per MPP Tracker		1 / 1	
AC Output			
Nominal Output Power	8,000W	10,000W	12,000W
Max. Apparent Power	8,800VA	11,000VA	13,200VA
Nominal Output Voltage		3L / N / PE, 220 / 380V, 230 / 400V	
Nominal AC Grid Frequency		50 / 60Hz	
Nominal Output Current	12.2A / 380V 11.5A / 400V	15.2A / 380V 14.4A / 400V	18.2A / 380V 17.3A / 400V
Max. Output Current	13.5A / 380V 12.7A / 400V	16.9A / 380V 15.8A / 400V	20.1A / 380V 19.1A / 400V
Adjustable Power Factor		0.8 leading...0.8 lagging	
THDi		< 3%	
Efficiency			
Max. Efficiency		98.5%	
European Weighted Efficiency		98.1%	
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		4,000m	
Cooling		Smart Air Cooling	
Display		LED+App	
Communication		RS485 / 4G / WIFI	
Weight		21kg	
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	

※ Design and specifications are subject to change without notice.

Made in China V1.1-202406