

# STRING INVERTER

# HYX-S8K/10K/12K-T



## Safe & Reliable

- IP66, 1400+ cumulative rigorous tests
- PV optimizers compatible, module-level shutdown
- 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
- Intelligent layout with rapid module-level visualization

## Profitable & Efficient

- 160% PV oversizing for extended output
- 18A design, ideal for high-power modules
- 98.5% efficiency with wide MPPT range

## Smart & Manageable

- Module-level monitoring for precise fault positioning
- Intelligent IV diagnostics for precise fault identification
- Scenario-based app with real-time energy monitoring

HYX-S8K/10K/12K-T  
**Technical Specifications**

Product Model	HYX-S8K-T	HYX-S10K-T	HYX-S12K-T
<b>PV Input</b>			
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 MPPT		2	
Max. Input Number Per MPPT		1 / 1	
<b>AC Output</b>			
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%	
<b>Efficiency</b>			
Max. Efficiency		98.5%	
European Weighted Efficiency		98.1%	
MPPT Efficiency		99.9%	
<b>Protection</b>			
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	
<b>General Data</b>			
Operating Temperature Range		-30 to + 60°C	
Relative Operating Humidity		0 - 100 %RH	
Operating Altitude		4,000m	
Cooling		Natural 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	