

String Inverter

HYX-S8K/10K/12K-T

Version 1.4-2606

Design and specifications are subject to change without notice.



Safe & Reliable

- IP66, 1,400+ 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

Technical Specifications

HYX-S8K/10K/12K-T

Product Model	HYX-S8K-T	HYX-S10K-T	HYX-S12K-T
PV Input			
Max. Input Power	12800W	16000W	19200W
Max. Input Voltage		1100Vd.c.	
Nominal Input Voltage		600Vd.c.	
Start-up Voltage		160Vd.c.	
MPPT Operating Voltage Range		140 ~ 1000Vd.c.	
MPPT Full Load Voltage Range		330 ~ 850Vd.c.	
Max. Input Current Per MPPT		18Ad.c.	
Max. Short-Circuit Current		24Ad.c.	
Number of MPPT		2	
Max. Input Number Per MPPT		1/1	
AC Output			
Nominal Output Power	8000W	10000W	12000W
Max. Apparent Power	8800VA	11000VA	13200VA
Nominal Output Voltage		3L/N/PE, 220/380Va.c., 230/400Va.c.	
Nominal AC Grid Frequency		50/60Hz	
Nominal Output Current	12.2Aa.c./380Va.c. 11.5Aa.c./400Va.c.	15.2Aa.c./380Va.c. 14.4Aa.c./400Va.c.	18.2Aa.c./380Va.c. 17.3Aa.c./400Va.c.
Max. Output Current	13.5Aa.c./380Va.c. 12.7Aa.c./400Va.c.	16.9Aa.c./380Va.c. 15.8Aa.c./400Va.c.	20.1Aa.c./380Va.c. 19.1Aa.c./400Va.c.
Adjustable Power Factor		0.8 leading...0.8 lagging	
THDi		< 3%	

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

Product Model	HYX-S8K-T	HYX-S10K-T	HYX-S12K-T
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		4000m	
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	