

String Inverter

HYX-S20K/25K/30K-T1

Version 1.1-2606

Design and specifications are subject to change without notice.



Safe & Reliable

- IP66, 1400+ Cumulative Rigorous Tests
- Type II DC/AC Surge Protection, Lightning-Proof



Convenient & User-Friendly

- Compact and Lightweight Design, Plug and Play Installation
- App-Based Quick Setup



Profitable & Efficient

- 36A Input, 182&210mm Panels Supported
- 98.5% Conversion Efficiency, Wide MPPT Voltage Range, Higher Energy Yield.
- 150% Oversizing Capability, Longer Full-Load Generation Time.



Smart & Manageable

- Intelligent IV Diagnostics for Precise Fault Identification
- Real-Time Monitoring with OTA for Online Maintenance

Technical Specifications

HYX-S20K/25K/30K-T1

Product Model	HYX-S20K-T1	HYX-S25K-T1	HYX-S30K-T1
PV Input			
Max.Input Power	30000W	37500W	45000W
Max.Input Voltage		1100V	
Nominal Input Voltage		600V	
Start-up Voltage		200V	
MPPT Operating Voltage Range		180 ~ 1000V	
MPPT Full Load Voltage Range		450 ~ 850V	
Max.Input Current Per MPPT		36A	
Max.Short-Circuit Current		42A	
Number of MPPT	2		3
Max.Input Number Per MPPT		2	
AC Output			
Nominal Output Power	20000W	25000W	30000W
Max.Apparent Power	22000VA	27500VA	33000VA
Nominal Output Voltage		3L/N/PE, 220/380V, 230/400V	
Nominal AC Grid Frequency		50Hz/60Hz	
Nominal Output Current	30.3A, 380V 28.8A, 400V	37.9A, 380V 36.0A, 400V	45.5A, 380V 43.3A, 400V
Max.Output Current	33.4A, 380V 31.7A, 400V	41.7A, 380V 39.6A, 400V	50.1A, 380V 47.6A, 400V
Adjustable Power Factor		0.8 leading...0.8 lagging	
THDi		< 3%	

Technical Specifications

HYX-S20K/25K/30K-T1

Product Model	HYX-S20K-T1	HYX-S25K-T1	HYX-S30K-T1
Efficiency			
Max.Efficiency		98.5%	
European Weighted Efficiency		98.1%	
MPPT Efficiency		99.9%	
Protection			
Active Anti-islanding Protection		YES	
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	
General Data			
Operating Temperature Range		-25 ~ +60°C	
Relative Operating Humidity		0 ~ 100 %	
Operating Altitude		4000m	
Cooling		Smart air cooling	
Display		LED/WLAN+App	
Communication		RS485/4G/Wi-Fi	
Weight		23kg	
Dimensions (W × H × D)		530 × 410 × 220mm	
Topology		Non-Isolated	
Degree of Protection		IP66	
Overvoltage Level		PV II/AC III	