



STRING INVERTER

HYX-S15K/17K/ 20K/25K-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
- 40A 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-S15K/17K/20K/25K-T

Technical Specifications

Product Model	HYX-S15K-T	HYX-S17K-T	HYX-S20K-T	HYX-S25K-T
PV Input				
Max. Input Power	24,000W	27,200W	32,000W	40,000W
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		315 - 850V		
Max. Input Current Per MPPT		40A		
Max. Input Current Per String		20A		
Max. Short-Circuit Current		50A		
Number of MPPT		2		
Max. Input Number Per MPPT		2 / 2		
AC Output				
Nominal Output Power	15,000W	17,000W	20,000W	25,000W
Max. Apparent Power	16,500VA	18,700VA	22,000VA	27,500VA
Nominal Output Voltage		3L / N / PE, 220 / 380V, 230 / 400V		
Nominal AC Grid Frequency		50 / 60Hz		
Nominal Output Current	22.8A / 380V 21.7A / 400V	25.8A / 380V 24.5A / 400V	30.4A / 380V 28.9A / 400V	38.0A / 380V 36.1A / 400V
Max. Output Current	25.2A / 380V 23.9A / 400V	28.6A / 380V 27.1A / 400V	33.6A / 380V 31.9A / 400V	42.0A / 380V 39.9A / 400V
Adjustable Power Factor		0.8 leading...0.8 lagging		
THDi		< 3%		
Efficiency				
Max. Efficiency		98.5%		
European Weighted Efficiency		98.2%		
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		27kg		
Dimensions (W*H*D)		519*426*192mm		
Topology		Non-Isolated		
Degree of Protection		IP66		
Overvoltage Level		PV II / AC III		