

# 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
<b>PV Input</b>				
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	
<b>AC Output</b>				
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%	
<b>Efficiency</b>				
Max. Efficiency			98.5%	
European Weighted Efficiency			98.2%	
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			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	