

STRING INVERTER HYX-S75K/100K/ 110K/120K-T



Safe & Reliable

- Type II DC/AC surge protection, lightning-proof
- 300m AFCI detection with 0.5s rapid shutdown
- IP66, 1400+ cumulative rigorous tests
- PV optimizers compatible, module-level 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

- 40A design, dynamic MPPT efficiency of 99.9%
- Built-in PID repair, improving overall system performance
- AI dynamic MPPT, boosting power generation by 5%

Smart & Manageable

- Module-level monitoring for precise fault positioning
- Intelligent IV diagnostics for precise fault identification
- Real-time monitoring with OTA for online maintenance

Product Model	HYX-S75K-T	HYX-S100K-T	HYX-S110K-T	HYX-S120K-T
PV Input				
Max. Input Voltage	1,100V			
Nominal Input Voltage	620V			
Start-up Voltage	160V			
MPPT Operating Voltage Range	140 - 1,000V			
MPPT Full Load Voltage Range	500 - 850V			
Max. Input Current Per MPPT	40A			
Max. Input Current Per String	20A			
Max. Short-Circuit Current	50A			
Number of MPPT	10			
Max. Input Number Per MPPT	20			
AC Output				
Nominal Output Power	75kW	100kW	110kW	120kW
Max. Apparent Power	82.5kVA	110kVA	121kVA	132kVA
Nominal Output Voltage	3L / N / PE, 220 / 380V, 230 / 400V			
Nominal AC Grid Frequency	50 / 60Hz			
Nominal Output Current	113.9A	151.9A	167.1A	182.3A
Max. Output Current	125.3A	167.2A	185.7A	190.5A
Adjustable Power Factor	0.8 leading...0.8 lagging			
THDi	< 3%			
Efficiency				
Max. Efficiency	98.8%			
European Weighted Efficiency	98.3%			
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	Optional			
PID recovery	Optional			
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/ WLAN+App			
Communication	RS485 / 4G / WIFI / HPLC			
Weight	94kg			
Dimensions (W*H*D)	1000*730*375mm			
Topology	Non-Isolated			
Degree of Protection	IP66			
Overvoltage Level	PV II / AC III			