



HYXIPower

STRING INVERTER

HYX-S100K/110K120K/-T

Reliable

- Type II surge protection
- 200m detection distance of AFCI, shutdown within 0.5 second at fastest
- IP66 degree of protection, suitable for harsh installation environment

Efficient

- Built in PID recovery to reduce power generation loss
- Support PLC communication and reduce the difficulty of construction
- 40A large current, compatible with major module types

Simple

- Support PLC communication
- Quick installation
- Rapid APP configuration, efficient and convenient

Intelligent

- APP intelligent O&M, All-weather power station management
- Visual display, energy gain and data with real time dynamic update
- Intelligent IV curve diagnosis, fast debugging

Technical Specifications

Product Model	HYX-S100K-T	HYX-S110K-T	HYX-S120K-T
PV Input			
Max. Input Voltage (V)		1,100	
Rated Input Voltage (V)		600	
Start-up Voltage (V)		200	
MPPT Operating Voltage Range (V)		180 - 1000	
Max. Input Current Per MPPT (A)		40	
Max. Input Current Per String (A)		20	
Max. Short-circuit Current (A)		50	
Number of MPP Trackers		10	
Number of PV Strings		20	
AC Output			
Rated Output Power (W)	100,000	110,000	120,000
Max. Apparent Power (VA)	111,000	121,000	132,000
Rated Output Voltage (V)	220 / 380, 230 / 400, 3L / N / PE		
Rated AC Grid Frequency (Hz)	50 / 60		
Rated Output Current (A)	151.9 (380V), 144.3 (400V)	167.2 (380V), 158.8 (400V)	182.3 (380V), 173.2 (400V)
Max. Output Current (A)	167.2 (380V), 158.8 (400V)	185.7 (380V), 176.4 (400V)	200.5 (380V), 190.5 (400V)
Adjustable Power Factor	0.8 leading...0.8 lagging		
Max. Total Harmonic Distortion	< 3%		
Efficiency			
Max. Efficiency	98.8%		
European Weighted Efficiency	98.4%		
MPPT Efficiency	99.9%		
Protection			
Anti-islanding Protection	Yes		
Insulation Monitoring	Yes		
Residual Current Monitoring	Yes		
DC Reverse Polarity Protection	Yes		
DC Switch	Yes		
AC Overfrequency/Underfrequency Protection	Yes		
AC Overcurrent Protection	Yes		
AC Short-circuit Protection	Yes		
AC Overvoltage Protection	Yes		
AFCI	Yes		
DC Surge Protection	Type II		
AC Surge Protection	Type II		
PID recovery	Optional		
General Data			
Operating Temperature Range (°C)	-25 to + 60		
Relative Operating Humidity (RH)	0 - 100 %		
Operating Altitude (m)	4,000		
Cooling	Smart Air Cooling		
Display	LED indicator, WLAN / Bluetooth+App		
Communication	RS485 / 4G / WIFI / HPLC		
Weight(kg)	90		
Demension (W*H*D mm)	1022*700*220		
Topology	Transformerless		
Degree of Protection	IP66		
Overvoltage Level	PV II / AC III		

※ Design and specifications are subject to change without notice.

Ver 1.0 2023