



HYXiPOWER



STRING INVERTER

HYX-S8K/10K/12K-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

- 160% DC oversizing, 98.5% conversion efficiency, wide MPPT voltage range
- Support PLC communication and adapt to optimizer
- 18A large current, compatible with major module types

Simple

- Austere appearance design into Chic design & fashionable technology
- Three-step 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-S8K-T	HYX-S10K-T	HYX-S12K-T
PV Input			
Max. Input Power (W)	12,800	16,000	19,200
Max. Input Voltage (V)	1,100		
Rated Input Voltage (V)	600		
Start-up Voltage (V)	180		
MPPT Operating Voltage Range (V)	160 - 1000		
Max. Input Current Per MPPT (A)	18 / 18		
Max. Short-circuit Current (A)	24 / 24		
Number of MPP Trackers	2		
Max. Input Number Per MPP Tracker	1 / 1		
AC Output			
Rated Output Power (W)	8,000	10,000	12,000
Max. Apparent Power (VA)	8,800	11,000	13,200
Rated Output Voltage (V)	3L / N / PE, 220 / 380, 230 / 400		
Rated AC Grid Frequency (Hz)	50 / 60		
Rated Output Current (A)	12.2	15.2	18.2
Max. Output Current (A)	13.5	16.9	20.1
Adjustable Power Factor	0.8 leading...0.8 lagging		
Max. Total Harmonic Distortion	< 3%		
Efficiency			
Max. Efficiency	98.5%		
European Weighted Efficiency	98.1%		
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		
General Data			
Operating Temperature Range (°C)	-25 to + 60		
Relative Operating Humidity (RH)	0 ~ 100 %		
Operating Altitude (m)	4,000		
Cooling	Natural Cooling		
Display	LED indicator, WLAN / Bluetooth+App		
Communication	RS485 / 4G / WIFI / HPLC		
Weight(kg)	17		
Demension (W*H*D mm)	522*416*177.6		
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