



STRING INVERTER

HYX-S3K/3K6/4K/4K6/5K/6K-S



Reliable

- Type II surge protection
- AFCI detection distance of 200m, realizes 0.5S rapid shutdown
- IP66 degree of protection, suitable for harsh installation environment

Efficient

- 160% DC oversizing, wide MPPT voltage range
- 98.2% conversion efficiency
- 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-S3K-S	HYX-S3K6-S	HYX-S4K-S	HYX-S4K6-S	HYX-S5K-S	HYX-S6K-S
PV Input						
Max. Input Power (W)	4,800	5,760	6,400	7,360	8,000	9,600
Max. Input Voltage (V)	600					
Rated Input Voltage (V)	360					
Start-up Voltage (V)	100					
MPPT Operating Voltage Range (V)	80 - 560					
Max. Input Current Per MPPT (A)	18 / 18					
MPPT Full Load Voltage Range (V)	200 - 500					
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)	3,000	3,600	4,000	4,600	5,000	6,000
Max. Apparent Power (VA)	3,300	3,960	4,400	5,060	5,500	6,600
Rated Output Voltage (V)	1 / N / PE, 220 / 230 / 240					
AC Voltage Range (V)	207 - 256					
Rated AC Grid Frequency (Hz)	50 / 60					
Rated Output Current (A)	13.6	16.4	18.2	20.9	22.7	27.3
Max. Output Current (A)	15.0	18.0	20.0	23.0	25.0	30.0
Adjustable Power Factor	0.8 leading...0.8 lagging					
Max. Total Harmonic Distortion	< 3%					
Efficiency						
Max. Efficiency	98.2%					
European Weighted Efficiency	97.6%					
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 Overcurrent Protection	Yes					
AC Short-circuit Protection	Yes					
AC Overvoltage Protection	Yes					
DC Surge Protection	Type II					
AC Surge Protection	Type II					
AFCI	Yes					
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 & App					
Communication	RS485 / WIFI / 4G					
Weight(kg)	11.6					
Demension (W*H*D mm)	340*360*136					
Topology	Transformerless					
Degree of Protection	IP66					
Overvoltage Level	PV II / AC III					

* Design and specifications are subject to change without notice.

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