



STRING INVERTER

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

Reliable

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

Efficient

- 160% DC oversizing, wide MPPT voltage range
- 98.2% conversion efficiency
- 18A high current, compatible with major module types

Simple

- Minimalist and stylish product design
- 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 updated in real time
- 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	4,800W	5,760W	6,400W	7,360W	8,000W	9,600W
Max. Input Voltage	600V					
Nominal Input Voltage	360V					
Start-up Voltage	100V					
MPPT Operating Voltage Range	80 - 560V					
MPPT Full Load Voltage Range	200 - 500V					
Max. Input Current Per MPPT	18A					
Max. Short-Circuit Current	24A					
Number of MPP Trackers	2					
Max. Input Number Per MPP Tracker	1 / 1					
AC Output						
Nominal Output Power	3,000W	3,600W	4,000W	4,600W	5,000W	6,000W
Max. Apparent Power	3,300VA	3,960VA	4,400VA	5,060VA	5,500VA	6,600VA
Nominal Output Voltage	1 / N / PE, 220V / 230V / 240V					
Nominal AC Grid Frequency	50 / 60Hz					
Nominal Output Current	13.6A	16.4A	18.2A	20.9A	22.7A	27.3A
Max. Output Current	15.0A	18.0A	20.0A	23.0A	25.0A	30.0A
Adjustable Power Factor	0.8 leading...0.8 lagging					
THDi	< 3%					
Efficiency						
Max. Efficiency	98.2%					
European Weighted Efficiency	97.6%					
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	Yes					
General Data						
Operating Temperature Range	-25 to + 60°C					
Relative Operating Humidity	0 - 100 %RH					
Operating Altitude	4,000m					
Cooling	Natural Cooling					
Display	LED+App					
Communication	RS485 / 4G / WIFI					
Weight	11.6kg					
Dimensions (W*H*D)	340*360*136mm					
Topology	Non-Isolated					
Degree of Protection	IP66					
Overvoltage Level	PV II / AC III					

* Design and specifications are subject to change without notice.

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