

STRING INVERTER

HYX-S3K/3K6/4K/ 4K6/5K/6K/7K5-S



Safe & Reliable

- IP66, 1,400+ cumulative rigorous tests
- Type II DC/AC surge protection, lightning-proof
- 300m AFCI detection with 0.5s rapid shutdown

Convenient & User-Friendly

- Compact and lightweight design, plug-and-play installation
- App-based quick setup, simple and efficient

Profitable & Efficient

- 160% PV oversizing for extended output
- 98.2% efficiency with wide MPPT range
- 18A design, ideal for high-power modules

Smart & Manageable

- Intelligent IV diagnostics for precise fault identification
- Scenario-based app with real-time energy monitoring

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Technical Specifications

Product Model	HYX-S3K-S	HYX-S3K6-S	HYX-S4K-S	HYX-S4K6-S	HYX-S5K-S	HYX-S6K-S	HYX-S7K5-S
PV Input							
Max. Input Power	4,800W	5,760W	6,400W	7,360W	8,000W	9,600W	12,000W
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 MPPT	2						
Max. Input Number Per MPPT	1 / 1						
AC Output							
Nominal Output Power	3,000W	3,600W	4,000W	4,600W	5,000W	6,000W	7,500W
Max. Apparent Power	3,300VA	3,960VA	4,400VA	5,060VA	5,500VA	6,600VA	7,500VA
Nominal Output Voltage	1 / N / PE, 220V / 230V / 240V						
Nominal AC Grid Frequency	60Hz						
Nominal Output Current	13.6A	16.4A	18.2A	20.9A	22.7A	27.3A	34.0A
Max. Output Current	15.0A	18.0A	20.0A	23.0A	25.0A	30.0A	34.0A
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	Yes						
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						