



# STRING INVERTER

HYX-S7K/8K/9K/10K/12K-S

## 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, wide MPPT voltage range
- 98.3% conversion efficiency
- 20A 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-S7K-S	HYX-S8K-S	HYX-S9K-S	HYX-S10K-S	HYX-S12K-S
<b>PV Input</b>					
Max. Input Power (W)	11,200	12,800	14,400	16,000	19,200
Max. Input Voltage (V)	600				
Rated Input Voltage (V)	360				
Start-up Voltage (V)	90				
MPPT Operating Voltage Range (V)	80 - 560				
Max. Input Current Per MPPT (A)	20 / 20	20 / 20	20 / 20 / 20	20 / 20 / 20	20 / 20 / 20
Max. Short-circuit Current (A)	24 / 24	24 / 24	24 / 24 / 24	24 / 24 / 24	24 / 24 / 24
Number of MPP Trackers	2	2	3	3	3
Max. Input Number Per MPP Tracker	1 / 1				
<b>AC Output</b>					
Rated Output Power (W)	7,000	8,000	9,000	10,000	12,000
Max. Apparent Power (VA)	7,700	8,800	9,900	11,000	13,200
Rated Output Voltage (V)	1 / N / PE, 220 / 230 / 240				
Rated AC Grid Frequency (Hz)	50 / 60				
Rated Output Current (A)	31.8	36.4	40.9	45.5	54.5
Max. Output Current (A)	35	40	45	50	60
Adjustable Power Factor	0.8 leading...0.8 lagging				
Max. Total Harmonic Distortion	< 3%				
<b>Efficiency</b>					
Max. Efficiency	98.3%				
European Weighted Efficiency	97.6%				
MPPT Efficiency	99.9%				
<b>Protection</b>					
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				
<b>General Data</b>					
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.

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