

STRING INVERTER

HYX-S2K/3K/3K3/3K6/ 4K/4K6/5K/6K-S1



Reliable

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

Simple

- Minimalist and stylish product design
- Three-step quick installation
- Rapid APP configuration, efficient and convenient

Efficient

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

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

Product Model	HYX-S2K-S1	HYX-S3K-S1	HYX-S3K3-S1	HYX-S3K6-S1	HYX-S4K-S1	HYX-S4K6-S1	HYX-S5K-S1	HYX-S6K-S1
PV Input								
Max. Input Power	2,600W	3,900W	4,290W	4,680W	5,200W	5,980W	6,500W	7,800W
Max. Input Voltage	600V							
Rated 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	25A							
Number of MPP Trackers	1				2			
Number of Input	1					2		
Max. Backfilling Current	0A							
AC Output								
Rated Output Power	2,000W	3,000W	3,300W	3,600W	4,000W	4,600W	5,000W	6,000W
Max. Apparent Power ¹	2,000VA	3,000VA	3,300VA	3,600VA	4,000VA	4,600VA	5,000VA	6,000VA
Rated Output Voltage	1 / N / PE, 220V / 230V / 240V							
Rated AC Grid Frequency	50 / 60Hz							
Rated Output Current	9.0A/220V	13.6A/220V	15.0A/220V	16.3A/220V	18.1A/220V	20.9A/220V	22.7A/220V	27.2A/220V
	8.6A/230V	13.0A/230V	14.3A/230V	15.6A/230V	17.3A/230V	20.0A/230V	21.7A/230V	26.0A/230V
	8.3A/240V	12.5A/240V	13.7A/240V	15.0A/240V	16.6A/240V	19.1A/240V	20.8A/240V	25.0A/240V
Max. Output Current	9.0A/220V	13.6A/220V	15.0A/220V	16.3A/220V	18.1A/220V	20.9A/220V	22.7A/220V	27.2A/220V
	8.6A/230V	13.0A/230V	14.3A/230V	15.6A/230V	17.3A/230V	20.0A/230V	21.7A/230V	26.0A/230V
	8.3A/240V	12.5A/240V	13.7A/240V	15.0A/240V	16.6A/240V	19.1A/240V	20.8A/240V	25.0A/240V
Adjustable Power Factor	0.8 leading...0.8 lagging							
THDi	< 3%							
Efficiency								
Max. Efficiency	97.7%					98.2%		
European Weighted Efficiency	97.2%					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	-30 to +60°C (Derating from 45°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							
Protection Class	I							
Nighttime Power Consumption	<1W							

※ Design and specifications are subject to change without notice.

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