

## String Inverter

HYX-S3K/3K6/4K/4K6/5K/6K/7K3/7K5-S

Version 1.5-202605

Design and specifications are subject to change without notice.



### 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
- Real-time Energy Monitoring

## Technical Specifications

HYX-S3K/3K6/4K/4K6/5K/6K/7K3/7K5-S

Product Model	HYX-S3K-S	HYX-S3K6-S	HYX-S4K-S	HYX-S4K6-S	HYX-S5K-S	HYX-S6K-S	HYX-S7K3-S
<b>PV Input</b>							
Max. Input Power	4,800W	5,760W	6,400W	7,360W	8,000W	9,600W	11,680W
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						
<b>AC Output</b>							
Nominal Output Power	3,000W	3,600W	4,000W	4,600W	5,000W	6,000W	7,300W
Max. Apparent Power	3,300VA	3,960VA	4,400VA	5,060VA	5,500VA	6,600VA	7,300VA
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	33.2A
Max. Output Current	15.0A	18.0A	20.0A	23.0A	25.0A	30.0A	33.2A
Adjustable Power Factor	0.8 leading...0.8 lagging						
THDi	< 3%						

## Technical Specifications

HYX-S3K/3K6/4K/4K6/5K/6K/7K3/7K5-S

Product Model	HYX-S3K-S	HYX-S3K6-S	HYX-S4K-S	HYX-S4K6-S	HYX-S5K-S	HYX-S6K-S	HYX-S7K3-S
<b>Efficiency</b>							
Max. Efficiency				98.2%			
European Weighted Efficiency				97.6%			
MPPT Efficiency				99.9%			
<b>Protection</b>							
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			
<b>General Data</b>							
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/Wi-Fi			
Weight				11.6kg			
Dimensions (W*H*D)				340 × 360 × 136 mm			
Topology				Non-Isolated			
Degree of Protection				IP66			
Overvoltage Level				PV II/AC III			

## Technical Specifications

HYX-S3K/3K6/4K/4K6/5K/6K/7K3/7K5-S

Product Model	HYX-S7K5-S
<b>PV Input</b>	
Max. Input Power	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
<b>AC Output</b>	
Nominal Output Power	7,500W
Max. Apparent Power	7,500VA
Nominal Output Voltage	1/N/PE, 220V/230V/240V
Nominal AC Grid Frequency	60Hz
Nominal Output Current	34.0A
Max. Output Current	34.0A
Adjustable Power Factor	0.8 leading...0.8 lagging
THDi	< 3%
<b>Efficiency</b>	
Max. Efficiency	98.2%
European Weighted Efficiency	97.6%
MPPT Efficiency	99.9%
<b>Protection</b>	
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
<b>General Data</b>	
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 / Wi-Fi
Weight	11.6kg
Dimensions (W*H*D)	340 × 360 × 136 mm
Topology	Non-Isolated
Degree of Protection	IP66
Overvoltage Level	PV II/AC III