



HYXiPOWER



# STRING INVERTER

HYX-S30K/33K/36K/40K/50K-T

## Reliable

- Type II surge protection
- 200m detection distance of AFCI, shutdown within 0.5 second at fastest
- Ip66, suitable for harsh installation environment

## Efficient

- Built in PID recovery to reduce power generation loss
- Support PLC communication and adapt to optimizer
- 40A large current, compatible with major module types

## Simple

- Support PLC communication
- 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-S30K-T	HYX-S33K-T	HYX-S36K-T	HYX-S40K-T	HYX-S50K-T
<b>PV Input</b>					
Max. Input Power	48kW	52.8kW	57.6kW	64kW	80kW
Max. Input Voltage	1,100V				
Nominal Input Voltage	600V				
Start-up Voltage	160V				
MPPT Operating Voltage Range	140 - 1,000V				
MPPT Full Load Voltage Range	450 - 850V				
Max. Input Current Per MPPT	40A				
Max. Input Current Per String	20A				
Max. Short-Circuit Current	50A				
Number of MPP Trackers	3	3	3	4	4
Max. Input Number Per MPP Tracker	2 / 2 / 2	2 / 2 / 2	2 / 2 / 2	2 / 2 / 2 / 2	2 / 2 / 2 / 2
<b>AC Output</b>					
Nominal Output Power	30kW	33kW	36kW	40kW	50kW
Max. Apparent Power	33kVA	36.3kVA	39.6kVA	44kVA	55kVA
Nominal Output Voltage	3L / N / PE, 220 / 380V, 230 / 400V				
Nominal AC Grid Frequency	50 / 60Hz				
Nominal Output Current	45.6A / 380V 43.3A / 400V	50.2A / 380V 47.6A / 400V	54.7A / 380V 52A / 400V	60.8A / 380V 57.7A / 400V	76A / 380V 72.2A / 400V
Max. Output Current	50.2A / 380V 47.6A / 400V	55.2A / 380V 52.4A / 400V	60.2A / 380V 57.2A / 400V	66.9A / 380V 63.5A / 400V	83.6A / 380V 79.4A / 400V
Adjustable Power Factor	0.8 leading...0.8 lagging				
THDi	< 3%				
<b>Efficiency</b>					
Max. Efficiency	98.6%				
European Weighted Efficiency	98.1%				
MPPT Efficiency	99.9%				
<b>Protection</b>					
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				
PID recovery	Optional				
<b>General Data</b>					
Operating Temperature Range	-30 to + 60°C				
Relative Operating Humidity	0 ~ 100 %RH				
Operating Altitude	4,000m				
Cooling	Smart Air Cooling				
Display	LED+App				
Communication	RS485 / 4G / WIFI / HPLC				
Weight	44kg				
Dimensions (W*H*D)	615*460*268.5mm				
Topology	Non-Isolated				
Degree of Protection	IP66				
Overvoltage Level	PV II / AC III				
Optimizer Model	HYX-OP700				

※ Design and specifications are subject to change without notice.

Ver 1.0-202401