

# STRING INVERTER

HYX-S15K/17K/20K/25K-T



## 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, 98.6% conversion efficiency, wide MPPT voltage range
- Support PLC communication and adapt to optimizer
- 40A 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-S15K-T	HYX-S17K-T	HYX-S20K-T	HYX-S25K-T
<b>PV Input</b>				
Max. Input Power (W)	24,000	27,200	32,000	40,000
Max. Input Voltage (V)	1,100			
Rated Input Voltage (V)	600			
Start-up Voltage (V)	180			
MPPT Operating Voltage Range (V)	160 - 1000			
Max. Input Current Per MPPT (A)	40			
Max. Input Current Per String (A)	20			
Max. Short-circuit Current (A)	50			
Number of MPP Trackers	2			
Max. Input Number Per MPP Tracker	2 / 2			
<b>AC Output</b>				
Rated Output Power (W)	15,000	17,000	20,000	25,000
Max. Apparent Power (VA)	16,500	18,700	22,000	27,500
Rated Output Voltage (V)	3L / N / PE, 220 / 380, 230 / 400			
Rated AC Grid Frequency (Hz)	50 / 60			
Rated Output Current (A)	22.8	25.8	30.4	38.0
Max. Output Current (A)	25.2	28.6	33.6	42.0
Adjustable Power Factor	0.8 leading...0.8 lagging			
Max. Total Harmonic Distortion	< 3%			
<b>Efficiency</b>				
Max. Efficiency	98.6%			
European Weighted Efficiency	98.2%			
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			
PID recovery	Optional			
<b>General Data</b>				
Operating Temperature Range (°C)	-25 to + 60			
Relative Operating Humidity (RH)	0 ~ 100 %			
Operating Altitude (m)	4,000			
Cooling	Smart Air Cooling			
Display	WLAN / Bluetooth+App			
Communication	RS485 / 4G / WIFI / HPLC			
Weight(kg)	21			
Demension (W*H*D mm)	510*405*205			
Topology	Transformerless			
Degree of Protection	IP66			
Overvoltage Level	PV II / AC III			

\* Design and specifications are subject to change without notice.

ver 1.0 2023