

String Inverter

HYX-S75K/80K/99K9/100K/110K/125K-T2

Version 1.6-2607

Design and specifications are subject to change without notice



Safe & Reliable

- IP66, 1400+ Cumulative Rigorous Tests
- 300m AFCI Detection with 0.5s
- Type II DC/AC Surge Protection



Convenient & User-Friendly

- Compact and Lightweight Design, Plug and Play Installation
- App-Based Quick Setup



Profitable & Efficient

- 40A Input, 182&210mm Panels Supported
- AI Dynamic MPPT, Boosting Power Generation by 5%



Smart & Manageable

- Intelligent IV Diagnostics for Precise Fault Identification
- Real-Time Monitoring with OTA for Online Maintenance
- Three-phase Wiring Sequence Adaptive, Easy System Wiring

Technical Specifications

HYX-S75K/80K/99K9/100K/110K/125K-T2

Product Model	HYX-S75K-T2	HYX-S80K-T2
PV Input		
Max.Input Power	150kW	160kW
Max.Input Voltage	1100Vd.c.	
Nominal Input Voltage	650Vd.c.	
Start-up Voltage	160Vd.c.	
MPPT Operating Voltage Range	140 ~ 1000Vd.c.	
MPPT Full Load Voltage Range	500 ~ 850Vd.c.	
Max.Input Current Per MPPT	40Ad.c.	
Max.Input Current Per String	20Ad.c.	
Max.Short-Circuit Current	50Ad.c.	
Number of MPPT	4	6
Max.Input Number Per MPPT	2	
AC Output		
Nominal Output Power	75kW	80kW
Max.Apparent Power	82.5kVA	88kVA
Nominal Output Voltage	220/380Va.c., 230/400Va.c., 3L/N/PE	

Technical Specifications

HYX-S75K/80K/99K9/100K/110K/125K-T2

Product Model	HYX-S75K-T2	HYX-S80K-T2
Nominal Output Current	113.9Aa.c./380Va.c. 108.2Aa.c./400Va.c.	121.5Aa.c./380Va.c. 115.5Aa.c./400Va.c.
Max.Output Current	125.3Aa.c./380Va.c. 119.0Aa.c./400Va.c.	133.7Aa.c./380Va.c. 127Aa.c./400Va.c.
Adjustable Power Factor	0.99/0.8 leading...0.8 lagging	
THDi	< 3%	
Efficiency		
Max.Efficiency	98.70%	
European Weighted Efficiency	98.00%	
MPPT Efficiency	99.90%	
Protection		
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	Optional	
General Data		
Operating Temperature Range	-30 to + 60°C	
Relative Operating Humidity	0 ~ 100%RH	
Operating Altitude	4000m	
Cooling	Smart Air Cooling	
Display	LED/WLAN+App	
Communication	RS485/4G/Wi-Fi	
Weight	95kg	
Dimensions (W × H × D)	880 × 760 × 340mm	
Topology	Non-Isolated	
Degree of Protection	IP66	
Overvoltage Level	PV II/AC III	

Technical Specifications

HYX-S75K/80K/99K9/100K/110K/125K-T2

Product Model	HYX-S99K9-T2	HYX-S100K-T2	HYX-S110K-T2	HYX-S125K-T2
PV Input				
Max. Input Power	199.8kW	200kW	220kW	250kW
Max.Input Voltage		1100Vd.c.		
Nominal Input Voltage		650Vd.c.		
Start-up Voltage		160Vd.c.		
MPPT Operating Voltage Range		140 ~ 1000Vd.c.		
MPPT Full Load Voltage Range		500 ~ 850Vd.c.		
Max.Input Current Per MPPT		40Ad.c.		
Max.Input Current Per String		20Ad.c.		
Max.Short-Circuit Current		50Ad.c.		
Number of MPPT		8		
Max.Input Number Per MPPT		2		
AC Output				
Nominal Output Power	99.9kW	100kW	110kW	125kW
Max.Apparent Power	109.9kVA	110kVA	121kVA	125kVA
Nominal Output Voltage		220/380Va.c., 230/400Va.c., 3L/N/PE		
Nominal AC Grid Frequency		50/60Hz		
Nominal Output Current	151.9Aa.c./380Va.c. 144.3Aa.c./400Va.c.	151.9Aa.c./380Va.c. 144.3Aa.c./400Va.c.	167.1Aa.c./380Va.c. 158.7Aa.c./400Va.c.	189.9Aa.c./380Va.c. 180.4Aa.c./400Va.c.
Max.Output Current	167.1Aa.c./380Va.c. 158.7Aa.c./400Va.c.	167.1Aa.c./380Va.c. 158.7Aa.c./400Va.c.	183.8Aa.c./380Va.c. 174.6Aa.c./400Va.c.	189.9Aa.c./380Va.c. 180.4Aa.c./400Va.c.
Adjustable Power Factor		0.99/0.8 leading...0.8 lagging		
THDi		< 3%		
Efficiency				
Max.Efficiency		98.70%		
European Weighted Efficiency		98.00%		
MPPT Efficiency		99.90%		
Protection				
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		Optional		
General Data				
Operating Temperature Range		-30 to + 60°C		
Relative Operating Humidity		0 ~ 100%RH		
Operating Altitude		4000m		
Cooling		Smart Air Cooling		
Display		LED/WLAN+App		
Communication		RS485/4G/Wi-Fi		
Weight		95kg		
Dimensions (W × H × D)		880 × 760 × 340mm		
Topology		Non-Isolated		
Degree of Protection		IP66		