

String Inverter

HYX-S36K/50K/60K/75K-LT

Version 1.5-2607

Design and specifications are subject to change without notice.



Safe & Reliable

- IP66, 1400+ 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



Profitable & Efficient

- 40A Design, Daynamic MPPT Efficiency of 99.9%
- Built-in PID Repair, Improving Overall System Performance
- 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

Technical Specifications

HYX-S36K/50K/60K/75K-LT

Product Model	HYX-S36K-LT	HYX-S50K-LT	HYX-S60K-LT	HYX-S75K-LT
PV Input				
Max. Input Power	72kW	100kW	120kW	150kW
Max. Input Voltage		800V		
Nominal Input Voltage		450V		
Start-up Voltage		160V		
MPPT Operating Voltage Range		140 - 800V		
MPPT Full Load Voltage Range		500 - 800V		
Max. Input Current Per MPPT		40A		
Max. Input Current Per String		20A		
Max. Short-Circuit Current		50A		
Number of MPPT	6	6	8	8
Max. Input Number Per MPPT		2		
AC Output				
Nominal Output Power	36kW	50kW	60kW	75kW
Max. Apparent Power	39.6kVA	55kVA	66kVA	75kVA
Nominal Output Voltage		127V / 220V, 3L / N / PE		
Nominal AC Grid Frequency		50 / 60Hz		
Nominal Output Current	94.4A / 220V	131.2A / 220V	157.5A / 220V	196.8A / 220V
Max. Output Current	103.9A / 220V	144.3A / 220V	173.2A / 220V	196.8A / 220V
Adjustable Power Factor		> 0.99 / 0.8 leading...0.8 lagging		
THDi		< 3%		

Technical Specifications

HYX-S36K/50K/60K/75K-LT

Product Model	HYX-S36K-LT	HYX-S50K-LT	HYX-S60K-LT	HYX-S75K-LT
Efficiency				
Max. Efficiency	98.8%			
European Weighted Efficiency	98.3%			
MPPT Efficiency	99.9%			
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			
AFCI	YES			
PID Recovery	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	94kg			
Dimensions (W × H × D)	1000 × 730 × 375mm			
Topology	Non-Isolated			
Degree of Protection	IP66			
Overvoltage Level	PV II/AC III			