

STRING INVERTER

HYX-S15K/17K/20K/ 22K/25K/30K-LT



Safe & Reliable

- IP66, 1400+ cumulative rigorous tests
- PV optimizers compatible, module-level shutdown
- 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
- Intelligent layout with rapid module-level visualization

Profitable & Efficient

- 40A design, dynamic MPPT efficiency of 99.9%
- Built-in PID repair, improving overall system performance
- AI dynamic MPPT, boosting power generation by 5%

Smart & Manageable

- Module-level monitoring for precise fault positioning
- Intelligent IV diagnostics for precise fault identification
- Real-time monitoring with OTA for online maintenance

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Technical Specifications

Product Model	HYX-S15K-LT	HYX-S17K-LT	HYX-S20K-LT	HYX-S22K-LT	HYX-S25K-LT	HYX-S30K-LT
PV Input						
Max. Input Power	24,000W	27,200W	32,000W	35,200W	40,000W	48,000W
Max. Input Voltage				800V		
Nominal Input Voltage				550V		
Start-up Voltage				160V		
MPPT Operating Voltage Range				140 - 800V		
MPPT Full Load Voltage Range				300 - 700V		
Max. Input Current Per MPPT				40A		
Max. Input Current Per String				20A		
Max. Short-Circuit Current				50A		
Number of MPPT		3			4	
Max. Input Number Per MPPT		6			8	
AC Output						
Nominal Output Power	15,000W	17,000W	20,000W	22,000W	25,000W	30,000W
Max. Apparent Power	16,500VA	18,700VA	22,000VA	24,200VA	27,500VA	33,000VA
Nominal Output Voltage				3L / N / PE, 220V		
Nominal AC Grid Frequency				60Hz		
Nominal Output Current	39.3A / 220V	44.6A / 220V	52.4A / 220V	57.7A / 220V	65.6A / 220V	78.7A / 220V
Max. Output Current	43.3A / 220V	49A / 220V	57.7A / 220V	63.5A / 220V	72.1A / 220V	86.6A / 220V
Adjustable Power Factor				0.8 leading...0.8 lagging		
THDi				< 3%		
Efficiency						
Max. Efficiency				98.8%		
European Weighted Efficiency				98.5%		
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		
Ground Fault Detection				Yes		
AFCI				Optional		
PID recovery				Optional		
General Data						
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 (Optional)		
Weight				44kg		
Dimensions (W*H*D)				615*460*268.5mm		
Topology				Non-Isolated		
Degree of Protection				IP66		
Overvoltage Level				PV II / AC III		