



String INVERTER

HYX-S50K/75K/99K9 100K/110K/125K-T2



Safe & Reliable

- Type II DC/AC surge protection, lightning-proof
- 300m AFCI detection with 0.5s rapid shutdown
- IP66, 1400+ cumulative rigorous tests

Convenient & User-Friendly

- Compact and lightweight, plug-and-play
- App-based quick setup, simple and efficient

Profitable & Efficient

- 40A input per MPPT
- Built-in PID repair, improving overall system performance
- AI dynamic MPPT, boosting power generation by 5%

Smart & Manageable

- Three-phase wiring sequence adaptive, easy system wiring
- Intelligent IV diagnostics for precise fault identification
- Real-time monitoring with OTA for online maintenance

Product Model	HYX-S50K-T2	HYX-S75K-T2	HYX-S99K9-T2	HYX-S100K-T2	HYX-S110K-T2	HYX-S125K-T2
DC Input (PV)						
Max. Input Voltage				1,100V		
Rated Input Voltage				650V		
Start-up Voltage				160V		
MPPT Operating Voltage Range				140V - 1,000V		
Max. Input Current per MPPT				40A		
Max. Input Current per String				20A		
Max. Short-circuit Current per MPPT				50A		
Number of MPPT	4	6	8	8	8	8
Number of Input	8	12	16	16	16	16
Max. Backfilling Current				0A		
AC Output						
AC Output Power	50kW	75kW	99.9kW	100kW	110kW	125kW
Max. Apparent Power	55kVA	82.5kVA	109.9kVA	110kVA	121kVA	125kVA
Rated Output Voltage				220/380V, 230/400V, 3L/N/PE		
AC Grid Frequency				50 / 60Hz		
Rated Output Current	75.9A/380V 72.1A/400V	113.9A/380V 108.2A/400V	151.9A/380V 144.3A/400V	151.9A/380V 144.3A/400V	167.1A/380V 158.7A/400V	189.9A/380V 180.4A/400V
Max. Output Current	83.5A/380V 79.4A/400V	125.3A/380V 119.0A/400V	167.1A/380V 158.7A/400V	167.1A/380V 158.7A/400V	183.8A/380V 174.6A/400V	189.9A/380V 180.4A/400V
Adjustable Power Factor				> 0.99 / 0.8 leading...0.8 lagging		
THDi				3%		
Efficiency						
Max. Efficiency				98.5%		
European Weighted Efficiency				98.0%		
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				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		
Weight				95kg		
Dimensions (W*H*D)				880*760*340mm		
Topology				Non-Isolated		
Degree of Protection				IP66		

Preliminary

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