



HYBRID INVERTER

HYX-H15K/20K/25K-HT

Reliable

- Type II surge protection
- IP65,C4 salt spray design
- Support AFCI and RSD, ultimate peace of mind

Efficient

- 160% PV oversizing, 110% overclock output
- 150-600V wide battery voltage range, 35A fast charge/discharge
- 16A PV current wide adaptation

Simple

- 30mins quick installation
- Easy working mode, set and forget
- Automatic ON/OFF-Grid switching time <10ms

Intelligent

- Smart working logic
- Generator & heat pump control
- Mobile & PC platform management

Product Model	HYX-H15K-HT	HYX-H20K-HT	HYX-H25K-HT
PV Input			
Max. Array Power (W)	30,000	40,000	50,000
Max. Input Power (W)	6,000 / 6,000 / 6,000 / 6,000	8,000 / 8,000 / 8,000 / 8,000	10,000 / 10,000 / 10,000 / 10,000
Max. Input Voltage (V)		1,100	
Start-up Voltage (V)		180	
Mppt Operating Voltage Range (V)		160 - 1000	
Max. Input Current (A)		80 (20*2 / 20*2)	
Max. Short-circuit Current (A)		120 (30*2 / 30*2)	
Number of MPP Trackers		2	
Max. Input Number Per MPP Tracker		2 / 2	
AC Input / Output			
Nominal Input / Output Apparent Power (VA)	31,500 / 15,000	42,000 / 20,000	52,500 / 25,000
Max. Input / Output Apparent Power (VA)	33,000 / 16,500	44,000 / 22,000	55,000 / 27,500
Nominal Input / Output Current (A)	47.8 / 22.8	63.7 / 30.4	79.5 / 37.9
Max. Input / Output Current (A)	50.0 / 25.0	66.7 / 33.4	83.4 / 41.7
Nominal Output Voltage (V)		3 / N / PE, 220 / 380, 230 / 400, 240 / 415	
THDi		< 3%	
Output Voltage Range (V)		304 - 476	
Frequency (Hz)		50 / 60	
Adjustable Power Factor		0.8 leading...0.8 lagging	
DC Current Injection		< 0.5% In	
Back-Up(AC Output)			
Nominal Output Power (W)	15,000	20,000	25,000
Max. Continues Output Apparent Power (VA)	16,500	22,000	27,500
Peak Output Power (W)	22,500; 10s	30,000; 10s	37,500; 10s
Nominal Output Current (A)	22.8	30.4	37.9
Max. Output Current (A)	34.1	45.5	56.9
Switch Time (ms)		< 10	
Battery			
Battery Type		LiFePO4	
Battery Voltage Range (V)		150 - 600	
Max. Charge/Discharge Current (A)		60	
Max. Charge Power (W)		27,500	
Max. Discharge Power (W)	15,000	20,000	25,000
Efficiency			
Max. Efficiency		98.60%	
European Weighted Efficiency		98.20%	
MPPT Efficiency		99.90%	
Battery Charge/ Discharge Efficiency		97.70%	
Protection			
DC Insulation Resistance Detection		Yes	
Residual Current Monitoring Unit		Yes	
DC Reverse Polarity Protection		Yes	
AC / DC Surge Arrester		Type II	
DC Switch		Yes	
Anti-islanding Protection		Yes	
AC Over Current Protection		Yes	
AC Short-circuit Protection		Yes	
AC Over Voltage Protection		Yes	
Grounded Fault Detection		Yes	
General Data			
Operating Temperature Range (°C)		-25 to + 60	
Relative Operating Humidity (RH)		0 ~ 100 %	
Max. Operating Altitude (m)		4,000	
Cooling	Natural Cooling	Natural Cooling	Fan Cooling
Display		LED / App / Web	
Communication		CAN / RS485 / PLC / WIFI / 4G / LAN	
Weight (kg)		45	
Dimensions (W*H*D mm)		650*500*250	
Degree of Protection		IP65	
Mounting		Wall Mounted	

* Design and specifications are subject to change without notice.

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