



HYBRID INVERTER

HYX-H5K/6K/8K/10K/12K-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-H5K-HT	HYX-H6K-HT	HYX-H8K-HT	HYX-H10K-HT	HYX-H12K-HT
PV Input					
Max. Array Power (W)	10,000	12,000	16,000	20,000	24,000
Max. Input Power (W)	5,000 / 3,000	6,000 / 4,000	6,400 / 6,400	6,400 / 4,800 / 4,800	6,400 / 6,400 / 6,400
Max. Input Voltage (V)	1,000				
Start-up Voltage (V)	180				
Mppt Operating Voltage Range (V)	140 - 980				
Max. Input Current (A)	36 (18 / 18)	36 (18 / 18)	36 (18 / 18)	54 (18 / 18*2)	54 (18 / 18*2)
Max. Short-circuit Current (A)	60 (30 / 30)	60 (30 / 30)	60 (30 / 30)	90 (30 / 30*2)	90 (30 / 30*2)
Number of MPP Trackers	2				
Max. Input Number Per MPP Tracker	1 / 1	1 / 1	1 / 1	1 / 2	1 / 2
AC Input / Output					
Nominal Output Power (W)	5,000	6,000	8,000	10,000	12,000
Max. Output Apparent Power (VA)	5,500	6,600	8,800	11,000	13,200
Max. Input Apparent Power (VA)	10,000	12,000	16,000	20,000	24,000
Nominal Output Current (A)	7.6	9.1	12.2	15.2	18.2
Max. Output Current (A)	8.5	10.1	13.5	16.9	21.0
Max. Input Current (A)	15.2	18.2	24.3	30.4	36.4
Nominal Output Voltage (V)	3 / N / PE, 220 / 380, 230 / 400, 240 / 415				
THDi	< 3%				
Frequency (Hz)	45-55; 55-65				
Adjustable Power Factor	0.8 leading...0.8 lagging				
DC Current Injection	< 0.5% In				
Back-Up(AC Output)					
Nominal Output Power (VA)	5,000	6,000	8,000	10,000	12,000
Max. Continues Output Apparent Power (VA)	5,500	6,600	8,800	11,000	13,200
Peak Output Power (W)	7,500; 10s	9,000; 10s	12,000; 10s	15,000; 10s	18,000; 10s
Nominal Output Current (A)	7.6	9.1	12.2	15.2	18.2
Max. Output Current (A)	11.4	13.7	18.2	22.8	27.3
Switch Time (ms)	< 10				
Battery					
Battery Type	LiFePO4				
Battery Voltage Range (V)	150 - 600				
Max. Charge/Discharge Current (A)	40				
Max. Charge/Discharge Power (W)	5,500	6,600	8,800	11,000	13,200
Efficiency					
Max. Efficiency	98.60%				
European Weighted Efficiency	98.20%				
MPPT Efficiency	99.90%				
Battery Charge/ Discharge Efficiency	97.50%				
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				
Display	LED / App / Web				
Communication	CAN / RS485 / WIFI / 4G / LAN				
Weight (kg)	25				
Dimensions (W*H*D mm)	542*478*186				
Degree of Protection	IP65				
Mounting	Wall Mounted				

※ Design and specifications are subject to change without notice.

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