



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 + 150% backup turbo output
- 150-600V wide battery voltage range, 40A fast charge/discharge
- 18A 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	10,000W	12,000W	16,000W	20,000W	24,000W
Max. Input Power	5,000W / 3,000W	6,000W / 4,000W	6,400W / 6,400W	6,400W / (4,800W/4,800W)	6,400W / (6,400W/6,400W)
Max. Input Voltage	1,000V				
Start-up Voltage	160V				
MPPT Operating Voltage Range	140 - 980V				
Max. Input Current	36A (18 / 18)	36A (18 / 18)	36A (18 / 18)	54A (18 / 18*2)	54A (18 / 18*2)
Max. Short-circuit Current	60A (30 / 30)	60A (30 / 30)	60A (30 / 30)	90A (30 / 30*2)	90A (30 / 30*2)
Number of MPP Trackers	2				
PV input number(Number of String Per MPPT)	2 (1 / 1)	2 (1 / 1)	2 (1 / 1)	3 (1 / 2)	3 (1 / 2)
AC Input / Output					
Nominal Output Power	5,000W	6,000W	8,000W	10,000W	12,000W
Max. Output Apparent Power	5,500VA	6,600VA	8,800VA	11,000VA	13,200VA
Max. Input Apparent Power	11,000VA	13,200VA	17,600VA	22,000VA	26,400VA
Nominal Output Current	7.6A	9.1A	12.2A	15.2A	18.2A
Max. Output Current	8.4A	10A	13.4A	16.7A	20A
Max. Input Current	16.7A	20A	26.7A	33.4A	40A
Nominal Output Voltage	3 / N / PE, 220 / 380V, 230 / 400V, 240 / 415V				
THDi	< 3%				
Frequency	45-55Hz; 55-65Hz				
Adjustable Power Factor	0.8 leading...0.8 lagging				
DC Current Injection	< 0.5% In				
Back-Up(AC Output)					
Nominal Output Power	5,000VA	6,000VA	8,000VA	10,000VA	12,000VA
Max. Continues Output Apparent Power	5,500VA	6,600VA	8,800VA	11,000VA	13,200VA
Peak Output Power	7,500W; 10s	9,000W; 10s	12,000W; 10s	15,000W; 10s	15,000W; 10s
Nominal Output Current	7.6A	9.1A	12.2A	15.2A	18.2A
Max. Output Current	11.4A	13.7A	18.2A	22.8A	27.3A
Switch Time	< 10ms				
Battery					
Battery Type	LiFePO4				
Battery Voltage Range	150 - 600V				
Max. Charge/Discharge Current	40A				
Max. Charge/Discharge Power	5,500W	6,600W	8,800W	11,000W	13,200W
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	Yes				
DC Reverse Polarity Protection	Yes				
DC/AC Surge Protection	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	-30 to + 60°C				
Relative Operating Humidity	0 - 100 %RH				
Max. Operating Altitude	4,000m				
Cooling	Natural Cooling				
Display	LED / App / Web				
Communication	CAN / RS485 / WIFI / 4G / LAN				
Weight	34kg				
Dimensions (W*H*D)	542*478*186mm				
Degree of Protection	IP65				
Mounting	Wall Mounted				

※ Design and specifications are subject to change without notice.

Made in China Ver 1.1-202406