

HYBRID INVERTER

HYX-H15K/20K/25K/30K-HT1



Safe & Reliable

- Type II surge protection
- IP65,C4 salt spray design
- AFCI + RSD (Optional), ultimate peace of mind

Convenient & User-Friendly

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

Profitable & Efficient

- 160% PV oversizing + 150% backup turbo output
- 150-800V wide battery voltage range + 60A fast charge/discharge
- 20A PV current wide adaptation

Smart & Manageable

- Smart working logic
- Intelligent Generator control
- Mobile & PC platform management

Product Model	HYX-H15K-HT1	HYX-H20K-HT1	HYX-H25K-HT1	HYX-H30K-HT1
PV Input				
Max. Array Power	30,000W	40,000W	50,000W	60,000W
Max. Input Power	(6,000W/6,000W)/(6,000W/6,000W)	(8,000W/8,000W)/(8,000W/8,000W)	(10,000W/10,000W)/(10,000W/10,000W)	(12,000W/12,000W)/(12,000W/12,000W)
Max. Input Voltage	1,100V			
Start-up Voltage	160V			
MPPT Operating Voltage Range	140 ~ 1,000V			
Max. Input Current	80A (20*2 / 20*2)			
Max. Short-circuit Current	120A (30*2 / 30*2)			
Number of MPPTs	2			
PV input number(Number of String Per MPPT)	4 (2 / 2)			
AC Input / Output				
Nominal Input / Output Apparent Power	31,500VA / 15,000VA	42,000VA / 20,000VA	52,500VA / 25,000VA	63,000VA / 30,000VA
Max. Input / Output Apparent Power	33,000VA / 16,500VA	44,000VA / 22,000VA	55,000VA / 27,500VA	66,000VA / 33,000VA
Nominal Input / Output Current	47.8A / 22.8A	63.7A / 30.4A	79.5A / 37.9A	95.5A / 45.5A
Max. Input / Output Current	50.0A / 25.0A	66.7A / 33.4A	83.4A / 41.7A	100A / 50A
Output Voltage Range	3 / N / PE, 220 / 380V, 230 / 400V, 240 / 415V			
Nominal Output Voltage	< 3%			
THDi	304 ~ 476V			
Frequency	50 / 60Hz			
Adjustable Power Factor	0.8 leading...0.8 lagging			
DC Current Injection	< 0.5% In			
Back-Up(AC Output)				
Nominal Output Power	15,000W	20,000W	25,000W	30,000W
Max. Continues Output Apparent Power	16,500VA	22,000VA	27,500VA	33,000VA
Peak Output Power	30,000W; 10s	40,000W; 10s	45,000W; 10s	45,000W; 10s
Nominal Output Current	22.8A	30.4A	37.9A	37.9A
Max. Output Current	45.5A	60.6A	68.2A	68.2A
Switch Time	< 10ms			
Generator				
Nominal Output Power	15,000W	20,000W	25,000W	30,000W
Max. Continues Output Power	16,500W	22,000W	27,500W	33,000W
Nominal Output Current	22.8A	30.4A	37.9A	45.5A
Battery				
Battery Type	LiFePO4			
Battery Voltage Range	150 ~ 800V			
Max. Charge/Discharge Current	60A			
Max. Charge/Discharge Power	16,500W	22,000W	27,500W	33,000W
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	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	Fan Cooling	Fan Cooling	Fan Cooling
Display	LED / App / Web			
Communication	CAN / RS485 / PLC / WIFI / 4G / LAN			
Weight	45kg			
Dimensions (W*H*D)	658*523*220mm			
Degree of Protection	IP65			
Mounting	Wall Mounted			