

Hybrid Inverter

HYX-H15K/20K/
25K-HT

Version 1.3-2606

Design and specifications are subject to change without notice.



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, 60A Fast Charge/Discharge
- 20A 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

Technical Specifications

HYX-H15K/20K/25K-HT

Product Model	HYX-H15K-HT	HYX-H20K-HT	HYX-H25K-HT
PV Input			
Max. Array Power	30000W	40000W	50000W
Max. Input Power	6000W/6000W/6000W/6000W	8000W/8000W/8000W/8000W	10000W/10000W/10000W/10000W
Max. Input Voltage		1100Vd.c.	
Start-up Voltage		160Vd.c.	
MPPT Operating Voltage Range		140 ~ 1000Vd.c.	
Max. Input Current		80Ad.c. (20 × 2/20 × 2)	
Max. Short-circuit Current		100Ad.c. (25 × 2/25 × 2)	
Number of MPPTs		2	
PV input number(Number of String Per MPPT)		4 (2/2)	
AC Input / Output			
Nominal Input / Output Apparent Power	31500VA/15000VA	42000VA/20000VA	52500VA/25000VA
Max. Input / Output Apparent Power	33000VA/16500VA	44000VA/22000VA	55000VA/27500VA
Nominal Input / Output Current	47.8Aa.c./22.8Aa.c.	63.7Aa.c./30.4Aa.c.	79.5Aa.c./37.9Aa.c.
Max. Input / Output Current	50.0Aa.c./25.0Aa.c.	66.7Aa.c./33.4Aa.c.	83.4Aa.c./41.7Aa.c.
Nominal Output Current		3/N/PE, 220/380Va.c., 230/400Va.c., 240/415Va.c.	
THDi		< 3%	
Output Voltage Range		304 ~ 476Va.c.	
Frequency		50/60Hz	
Adjustable Power Factor		0.8 leading...0.8 lagging	
DC Current Injection		< 0.5% In	

Technical Specifications

HYX-H15K/20K/25K-HT

Product Model	HYX-H15K-HT	HYX-H20K-HT	HYX-H25K-HT
Back-Up(AC Output)			
Nominal Output Power	15000W	20000W	25000W
Max. Continues Output Apparent Power	16500VA	22000VA	27500VA
Peak Output Power	22500W; 10s	30000W; 10s	30000W; 10s
Nominal Output Current	22.8Aa.c.	30.4Aa.c.	37.9Aa.c.
Max. Peak Output Current	34.1Aa.c.	45.5Aa.c.	56.9Aa.c.
Switch Time		< 10ms	
Battery			
Battery Type		LiFePO4	
Battery Voltage Range		150 ~ 600Vd.c.	
Max. Charge/Discharge Current		60Ad.c.	
Max. Charge Power	16500W	22000W	27500W
Max. Discharge Power	15000W	20000W	25000W
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		4000m	
Cooling	Natural Cooling	Fan Cooling	Fan Cooling
Display		LED/App/Web	
Communication		CAN/RS485/WIFI/4G/LAN	
Weight		45kg	
Dimensions (W × H × D)		658 × 523 × 220mm	
Degree of Protection		IP65	
Mounting		Wall Mounted	