

Hybrid Inverter

HYX-H3K/3K6/5K/6K-HS1

Version 1.5-2606 (Preliminary)

Design and specifications are subject to change without notice.

**Reliable**

- Type II surge protection
- IP65 design

**Efficient**

- 160% PV oversizing, 200% backup turbo output
- 50V ultra-low start-up voltage for longer operation
- 18A PV current wide adaptation

**Simple**

- 30mins quick installation
- Easy working mode, set and forget
- Built-in meter, easy connection

**Intelligent**

- Smart working logic
- Generator & AC couple retrofit support
- Mobile & PC platform management

Technical Specifications

HYX-H3K/3K6/5K/6K-HS1

Product Model	HYX-H3K-HS1	HYX-H3K6-HS1	HYX-H5K-HS1	HYX-H6K-HS1
PV Input				
Max. Input Power	4800W	5760W	8000W	9600W
Max. Input Voltage	600Vd.c.			
Start-up Voltage	50Vd.c.			
MPPT Operating Voltage Range	80 ~ 560Vd.c.			
Max. Input Current	18Ad.c./18Ad.c.			
Max. Short-circuit Current	27Ad.c./27Ad.c.			
Number of MPP Trackers	2			
AC Input / Output				
Nominal Power	3000W	3600W	5000W	6000W
Max. Apparent Power	3300VA	3960VA	5500VA	6000VA
Nominal Current	13.6Aa.c.	16.3Aa.c.	22.7Aa.c.	27.2Aa.c.
Max. Current	15Aa.c.	18Aa.c.	25Aa.c.	30Aa.c.
Nominal Voltage	220/230/240Va.c., 1/N/PE			
AC Voltage Range	154 ~ 276Va.c.			
THDi	3 ~ 5%			
Frequency	50/45 ~ 55Hz ; 60/55 ~ 65Hz			
Adjustable Power Factor	> 0.99/0.8 leading...0.8 lagging			
DC Current Injection	< 0.5%In			

Technical Specifications

HYX-H3K/3K6/5K/6K-HS1

Product Model	HYX-H3K-HS1	HYX-H3K6-HS1	HYX-H5K-HS1	HYX-H6K-HS1
Back-Up(AC Output)				
Nominal Output Power	3000VA	3600VA	5000VA	6000VA
Max. Continues Output Apparent Power	3300VA	3960VA	5500VA	6000VA
Peak Output Power	6000W;10s	7200W;10s	10000W;10s	12000W;10s
Max. Output Current	15Aa.c.	18Aa.c.	25Aa.c.	30Aa.c.
Switch Time	< 10ms			
Battery				
Battery Type	LiFePO4			
Battery Voltage Range	80 ~ 490Vd.c.			
Max. Charge/Discharge Current	30Ad.c.			
Max. Charge Power	3000W	3600W	5000W	6000W
Max. Discharge Power	3300W	3960W	5500W	6600W
Protection				
Residual Current Monitoring	YES			
DC/AC Surge Protection	Type II			
AC Short-circuit Protection	YES			
AC Over Voltage Protection	YES			
Over Frequency Protection	YES			
Grounded Fault Detection	YES			
General Data				
Operating Temperature Range	-25 to +60℃			
Relative Operating Humidity	0 ~ 100%RH			
Cooling	Natural Cooling			
Display	LED/App/Web			
Communication	CAN/RS485/WIFI (I Standard)/4G (Optional)			
Weight	14.5kg			
Dimensions (W × H × D)	360 × 340 × 136mm			
Degree of Protection	IP65			
Over Voltage Category	DC II/ AC II			
Mounting	Wall Mounted			