

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



Reliable

- Type II surge protection
- IP65 design

Simple

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

Efficient

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

Intelligent

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

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	600V			
Start-up Voltage	50V			
MPPT Operating Voltage Range	80 - 560V			
Max. Input Current	18A / 18A			
Max. Short-circuit Current	20A / 20A			
Number of MPP Trackers	2			
AC Input / Output				
Nominal Power	3000W	3600W	5000W	6000W
Max. Apparent Power	3300VA	3960VA	5500VA	6600VA
Nominal Current	13.6A	16.3A	22.7A	27.2A
Max. Current	15A	18A	25A	30A
Nominal Voltage	220 / 230 / 240V, 1 / N / PE			
AC Voltage Range	154 - 276V			
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			
Back-Up(AC Output)				
Nominal Output Power	3000VA	3600VA	5000VA	6000VA
Max. Continues Output Apparent Power	3300VA	3960VA	5500VA	6600VA
Peak Output Power	6000W;10s	7200W;10s	10000W;10s	12000W;10s
Max. Output Current	15A	18A	25A	30A
Switch Time	< 10ms			
Battery				
Battery Type	LiFePO4			
Battery Voltage Range	80 - 490V			
Max. Charge/Discharge Current	30A			
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°C			
Relative Operating Humidity	0 - 100%RH			
Cooling	Natural Cooling			
Display	LED / App / Web			
Communication	CAN / RS485 / WIFI / 4G / LAN			
Weight	20kg			
Dimensions (W*H*D)	360*340*136mm			
Degree of Protection	IP65			
Over Voltage Category	DC II/ AC II			
Mounting	Wall Mounted			