

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

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Technical Specifications

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 Pretecton		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		