



SINOPOWER

HYD-6K-H6

SINGLE PHASE HYBRID INVERTER

PRODUCT FEATURES

- Wide DC Working Voltage Range, 2 MPPT Design Adapt to Multi-angle and Multi-Orientation PV Panels
- IP66 Waterproof Design, Indoor & Outdoor use
- Support the Diesel Generator and the Grid Access at the Same time
- Support for lead-acid, lithium batteries, but also to specify the brand of battery adaptation
- Colorful touch LCD (4.3/7 inch optional)
- Upto 98% Conversion Efficiency With Lower Losses
- One Machine For Multiple Purpose: On-Grid + Energy Storage + Off-Grid
- Upto 7 Intelligent Working Modes, Support Remote Monitoring on APP/Web
- Warranty: Standard 5 years

Technical Data	HYD-6K-H6	
PV String Input Data		
Max. DC input power	9kW	
Max. DC input voltage	550V	
Nominal input voltage	360V	
MPPT working voltage range	90V-500V	
Number of independent MPPT/strings per MPPT	2/1	
MPPT max. current	15A/15A	
Start-up voltage	100V	
AC Output/Input Data (On-grid)		
Nominal output apparent power	6kW	
Max. output apparent power	6.6kVA	
Nominal output voltage	230V/180V-280V	
Nominal output frequency	50Hz/60Hz	
Rated output current	26A	
Max. output current	29A	
Power factor	-0.8-+0.8 (adjustable)	
THDi	<3%(Nominal Output)	
Grid system pattern	L+N+PE	
Max.apparent power from utility grid	11kVA	
Max.AC current from utility grid	48A	
Back-up Output Data (UPS)		
Nominal output apparent power	6kVA	
Max. output apparent power	7kVA,10s	
Nominal output voltage	208V,220V,230V,240V	
Nominal ouput frequency	50Hz/60Hz	
Output THDV	<3%	
Automatic switch time	<10ms	
Battery Input Data		
Battery type	Li-ion/Lead-acid	
Battery voltage range	42V-59V	
Max. charging/discharging current	100A	
Charging strategy for Li-ion battery	Self-adaption to BMS	
Efficiency		
Max. efficiency	98%	
Europe efficiency	97.5%	
Max. battery to load efficiency	94%	
Protection		
Anti islanding protection	Yes	
Insulation impedance protection	Yes	
RCD detection	Yes	
PV reverse polarity protection	Yes	
Output over voltage protection	Yes	
Output over current protection	Yes	
General Data		
Dimensions(L/W/H)in mm	375/250/363	
Weight	20kg	
Operation temperature range	-25°C-+60°C-	
Heat dissipation mode	Natural	
IP Class	IP 65	
Maximum altitude	4000m	
Self-Consumption night	<3W	
Features		
LCD display	Yes	
Communication interface	WiFi/4G/USB/CAN/RS485	
Standards	EN 62109/EN 62477/EN IEC 61000/CEI 0-21/NTS-631/RD647/UNE 217001/UNE 217002/VDE 4105/IEC 61727/IEC 62116/IEC 61683/EN 50549/G98/G99/NRS 097/UTE C 15/VDE V 0126	