



SINOPOWER

HYD-8K/10K/12K-H6

SINGLE PHASE HYBRID INVERTERS

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-8K-H6		HYD-10K-H6	HYD-12K-H6
PV String Input Data				
Max. DC input power	12kW		15kW	18kW
Max. DC input voltage			600V	
Nominal input voltage			360V	
MPPT working voltage range			90V-500V	
Number of independent MPPT / strings per MPPT			4/1	
MPPT max. current			4*20A	
Start-up voltage			100V	
AC Output/Input Data (On-grid)				
Nominal output apparent power	8kW		10kW	12kW
Max. output apparent power	8.8kVA		11kVA	13.2kVA
Nominal output voltage			230V(180V-280V)	
Nominal ouput frequency			50Hz/60Hz	
Rated output current	35A		43.5A	52.5A
Max. output current	38.5A		48A	57.5A
Power factor			-0.8~+0.8(adjustable)	
THDi			<3%(Nominal Output)	
Grid system pattern			L+N+PE	
Max.apparent power from utility grid	16kVA		20kVA	24kVA
Max.AC current from utility grid	84A		106A	120A
Back-up Output Data (UPS)				
Nominal output apparent power	8kVA		10kVA	12kVA
Max. output apparent power	8.8kVA		11kVA	13.2kVA
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			40V-60V	
Max. charging/discharging current	160A		200A	240A
Charging strategy for Li-Ion battery			Self-adaption to BMS	
Charging strategy for Lead-acid battery			Three-stage	
Efficiency				
Max. efficiency			98%	
Europe efficiency			97.5%	
Max. battery to load efficiency			94.5%	
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			425/290/660	
Weight			39kg	
Operation temperature range			-25℃ ~ +60℃	
Heat dissipation mode			Smart cooling	
IP Class			IP 66	
Maximum altitude			4000m	
Self-Consumption night			<3w	
Topology			Transformerless	
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	