



SUN-3/6/8K-H

- ✓ IP66 protection degree
- ⚙️ Support diesel generators and charging piles
- ⚙️ Max. 3pcs parallel for off-grid operation
- 📶 Fast and easy data checking and commissioning
- 📶 Optional WIFI/GPRS remote monitoring

Specification

Model	SUN-3K-H	SUN-6K-H	SUN-8K-H
Battery input Data			
Battery Type	Lithium battery (with BMS)/Lead Acid		
Battery Voltage Range (V)	40-60		
Max. Charging Current (A)	80	120	160
Max. Discharging Current (A)	80	120	160
PV String Input Data			
Start-up Voltage (V)	58		
Max. PV Input Voltage (V)	600		
MPPT Voltage Range (V)	80-550		
No. of MPP Trackers	1	2	2
No. of Strings per MPP Tracker	1	1/1	1/1
Max. Operating PV Input Current (A)	20	20/20	20/20
Max. Input Short-Circuit Current (A)	25	25/25	25/25
AC Input/output Data			
Rated Output Power (W)	3000	6000	8000
Max. Output Power (W)	3300	6600	8800
Rated AC Output Current (A)	13	26.1	34.8
Max. AC Output Current (A)	15	30	40
Rated Output Voltage (V)	L/N/PE, 220/230		
Rated AC Frequency (Hz)	50/60		
Power Factor	0.8 leading ...0.8 lagging		
THDi	<3% @Rated Output Power		
Efficiency			
Max. Efficiency	97.60%		
Euro Efficiency	97.00%		
MPPT Efficiency	99.90%		
Equipment Protection			
Integrated	DC Reverse Polarity Protection,Insulation Resistance Protection,DC Switch,Surge Protection,Over-temperature Protection,Residual Current Protection,Islanding Protection,AC Over-voltage Protection,Overload Protection,AC Short-circuit Protection		
General Data			
Over Voltage Category	DC : II ; AC : II		
Dimension (mm)	488*374*205		
Weight (kg)	20 / 21		
Protection Degree	IP66		
Inverter Topology	Transformerless		
Operating Temperature Range (°C)	-20°C-60°C		
Relative Humidity (%)	0-100		
Operating Altitude(m)	3000		
Type of Cooling	Natural Convection / Fan		
Noise (dB)	<30 / <45		
Display	LCD/OLED		
Communication	WIFI/GPRS/LAN(Optional)		