

VHS-5K-L01-K

Features

- High impact load resistance
- 4 power input from PV modular, Battery, Grid & Diesel generator
- Real-time Smart Energy Management
- $\leq 10\text{ms}$ UPS-level switching
- Colorful touch LCD screen
- Max. charging/discharging current of 120A
- IP65 protection level
- Max. 8 units parallel connection

VHS-5K-L01-K
Off Grid/Hybrid Inverter



Technical Specifications

Model	VHS-5K-L01-K
Battery Input	
Battery Type	Lead-acid or Li-Ion
Battery Voltage Range (V)	48(40~60)
Max. Charging/ Discharging Current (A)	120
Max. Charging/ Discharging Power (W)	5000/5300
PV String Input	
Max. DC Input Power (W)	6500
Max. PV Input Voltage (V)	600
MPPT Voltage Range (V)	60~550
Rated Input Voltage (V)	360
Max. Input Current Per MPPT(A)	16
Max. Short Circuit Current Per MPPT (A)	23
MPPT Tracker No.	2
AC Output	
Rated AC Active Power Output (W)	5000
Rated Output Voltage (V)	220/230
Output AC Frequency (Hz)	50/60
Rated AC Current Output (A)	22.7/21.7
Power Factor	~1 (0.8 leading to 0.8 lagging)
Total Harmonic Current Distortion (THDi)	<2%
Automatic Switching Time (ms)	≤10
Total Harmonic Voltage Distortion(THDu)(@ linear load)	<2%
Efficiency	
Max. Efficiency	97.60%
Euro Efficiency	96.50%
MPPT Efficiency	99.90%
Protection	
Insulation Resistor Detection,Residual Current Monitoring Unit,DC Reverse Polarity Protection, Anti-islanding Protection,Output Over Current Protection,Output Shorted Protection, Surge Protection, Over Voltage Protection	Integrated
General Data	
Operating Temperature Range (°C)	-25~+60, >45°C Derating
Max. Operating Altitude (M)	3000 (Derating above 2000m)
Cooling	Natural convection
HMI	LCD,WLAN+ APP
Communication with BMS	CAN/RS485
Electric Meter Communication Mode	RS485
Monitoring Mode	Wifi/BlueTooth+LAN/4G
Weight (Kg)	22
Dimension (Width*Height*Thickness)(mm)	370×595×222
Night Power Consumption (W)	<10
Protection Degree	IP65
Installation Method	Wall-mounted
Parallel Function	Max.8 units