

VEICHI



Residential Hybrid Inverter



High impact
load resistance



4 power input from PV modular,
Battery, Grid & Diesel generator



Real-time Smart
Energy Management



≤10ms UPS-level
switching



Colorful touch
LCD screen



Max. charging/discharging
current of 120A



IP65
protection level



Max. 8 units
parallel connection

| | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| 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 |