WHC SOLAR

HVM5K Plus Hybrid Solar Inverter

**Rated Power
5KW**

**Battery Voltage
48VDC**

MAX

**High PV
Input 500V**

**WIFI Remote
Monitoring**

**9 Inverters
in Parallel**

**Max Efficiency
93%**

**80A MPPT
Controller**

Battery Optional

PRODUCT DETAIL

01

WIFI/GPRS REMOTE MONITORING

Remote Wifi/GPRS for option, realize working status anytime and anywhere.

WIFI

02

HIGH QUALITY COMPONENTS

Use high-quality raw materials to prevent corrosion and extend service life.

03

INTELLIGENT LCD DISPLAY

Complete and simple setting buttons, Convenient and quick to set.Show working status clearly
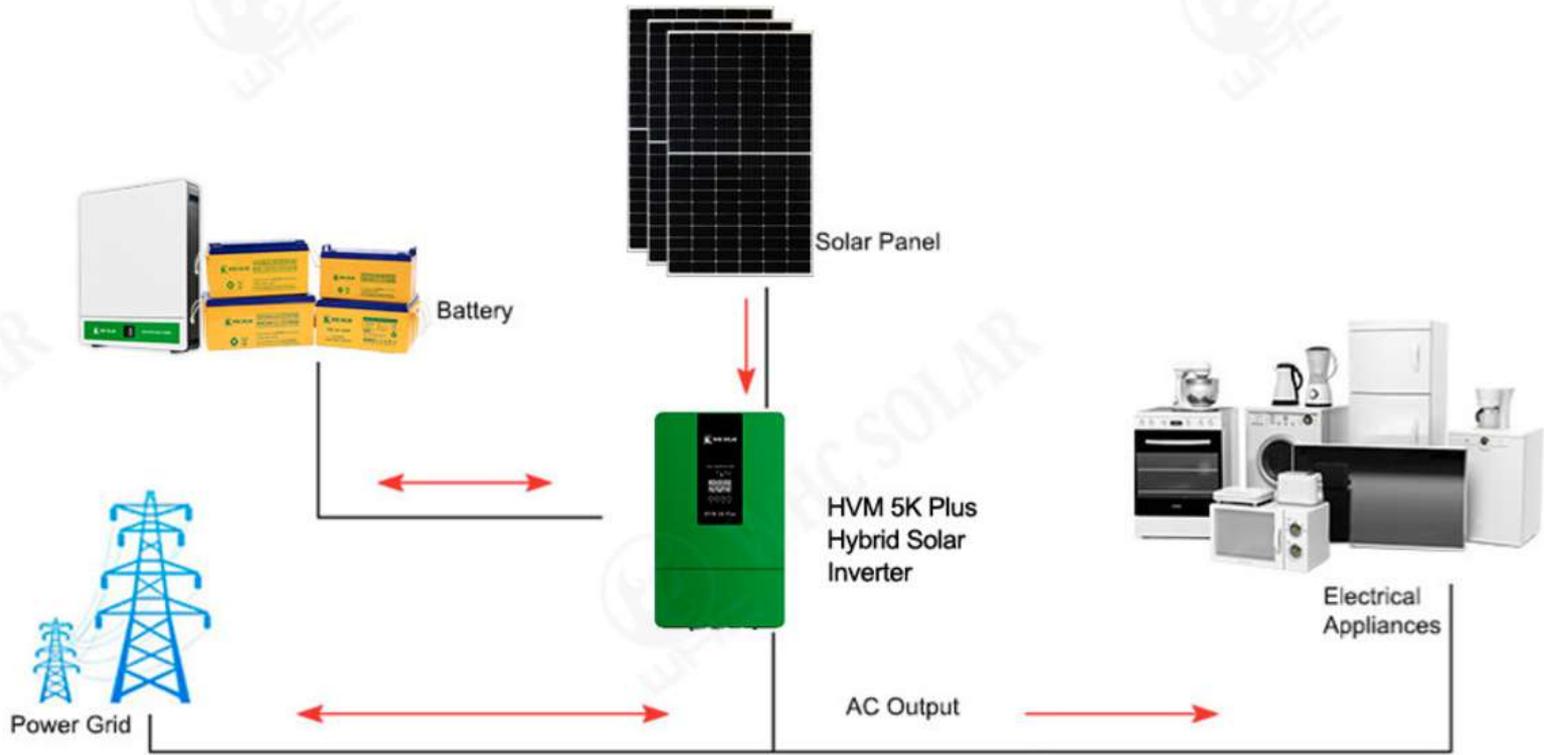
Solar Hybrid Inverter

AC   INV   CHG   FAULT

INPUT BATT TEMP.   OUTPUT BATT LOAD.

ESC   UP   DOWN   ENTER

HVM 5K Plus

Model	HVM 5K Plus
AC Input	
Rated Input Voltage (VAC)	208 / 220 / 230 / 240; L+N+PE
Voltage Range (VAC)	90~280±3 (normal mode); 170~280±3 (UPS mode)
Frequency (Hz)	50 / 60 (Auto Adaptive)
AC Output	
Rated Capacity (kW)	5
Surge Power (kVA)	10
Voltage (VAC)	208 / 220 / 230 / 240
Power Factor (PF)	1
Frequency	50 / 60Hz±0.1%
Switch Time (ms)	10 (normal mode) / 10 (UPS mode)
Wave Form	Pure Sine Wave
Overload Capacity (Battery Mode)	60s@102%~110% load; 10s@110%~130% load; 3s@130%~150% load; 0.2s@>150% load
Max. Efficiency (Battery Mode)	93%@48VDC
Parallel Quantity	9
Charger (PV /AC)	
Solar Charger Type	MPPT
Max PV input Current /Input Power	18A / 6000W
MPPT Range@Operating Voltage (VDC)	120~450
Max PV 0pen Circuit Voltage (VDC)	500
Max PV Charge Current (A)	80
Max AC Charge Current (A)	80
Max. Charge Current (PV + AC)(A)	80
Battery	
Rated Voltage (VDC)	48
Floating Charge Voltage (VDC)	54
Overcharge Protection (VDC)	61
Battery Type	Lithium and Lead-acid
Interface	
HMI	LCD
Interface	RS485 / RS232 / USB / Dry Contact
Monitoring	WiFi (Optional)
General Data	
Ingress Protection	IP21
Operating Temperature	-10℃~50℃
Relative Humidity	5%~95%(Non-condensing)
Storage Temperature	-15 ℃~60℃
Net Weight (kg)	9.5
Dimensions (W*H*D)	510*306*115mm(without bracket)
Max.Operating Altitude	4000m (Derating above 1000m)

WORKING WITH POWER SYSTRM

Solar Panel

Battery

HVM 5K Plus
Hybrid Solar
Inverter

Electrical
Appliances

Power Grid

AC Output

PROJECTS