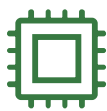


Features

- Pure sine wave solar inverter
- High PV input voltage range
- 9 Inverters in Parallel
- Built-in MPPT solar controller
- Optimize battery performance, extend lifecycle
- Inverter running without battery
- WiFi/GPRS remote monitoring
- RS485 communication for BMS(Optional)
- Self consumption and Feed-in to the grid(Optional), Detachable LCD(Optional)



Built-in 80A
Solar Charger



Wide MPPT
Range 120-500V



Workable with
Generator



Complete CE
Certificate



9 Inverters
in Parallel

BMS

Support Lithium/
Lead-acid Battery



Lithium Battery
Activation



Detachable
Dust Cover

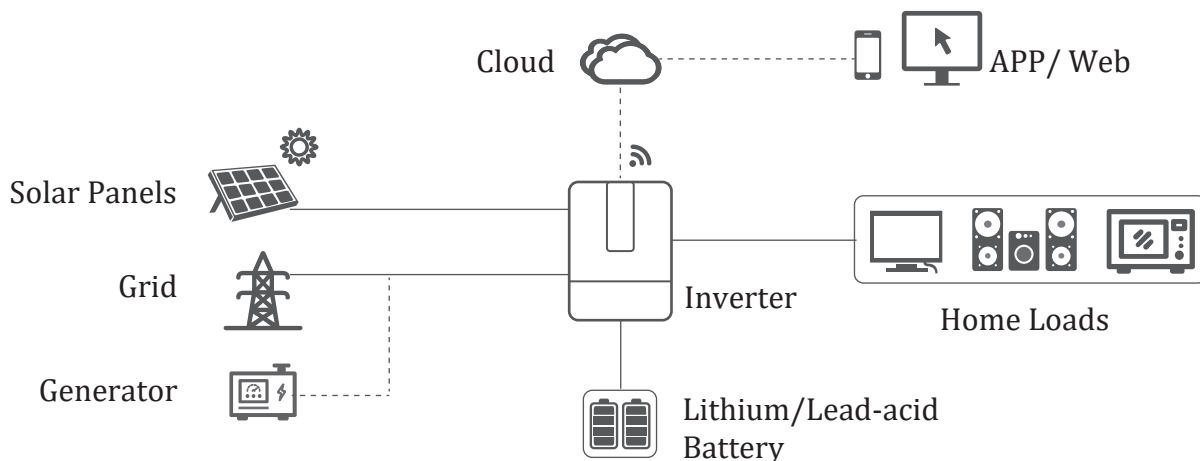


WiFi
Monitoring



Feed-in
to Grid

System Diagram





Specifications

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 Open 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°C~50°C
Relative Humidity	5%~95%(Non-condensing)
Storage Temperature	-15 °C~60°C
Net Weight (kg)	9.5
Dimensions (W*H*D)	510*306*115mm(without bracket)
Max.Operating Altitude	4000m (Derating above 1000m)