



# HMK PLUS OFF GRID INVERTER

HMK PLUS 2.5-24V



## High-Efficiency Power

Ultra-Wide Voltage Range, Adapts to Complex Grid Conditions, Global MPPT Scanning Increases Energy Yield by 8%.



## Safe & Reliable

Safe & Reliable Overload Protection, Short-Circuit Protection, Built-in BMS, Passive Cooling, Corrosion-Resistant, Ensuring Worry-Free Operation.



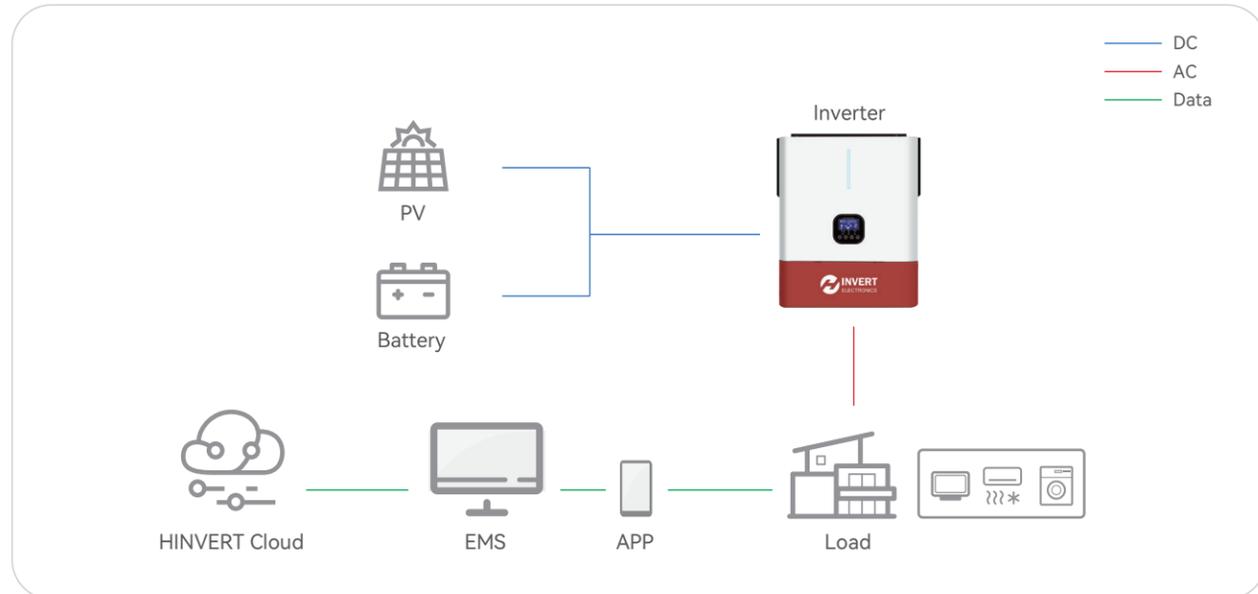
## Pure Sine Wave

Pure Sine Wave Comparable to Utility Power, Protects Sensitive Appliances, a Reliable Choice.



## Easy to Operate

LCD Screen for Simple Function Operation, RGB LED for Status Indication.



DATASHEET	HMK PLUS 2.5kW-24V
RATED POWER	2500W
<b>INPUT</b>	
Voltage	230 VAC
Selectable Voltage Range	170-280 VAC (For Personal Computers) 90-280 VAC (For Home Appliances)
MPPT Tracker Number	1
Maximum input current of PV	27 A
Frequency Range	50 Hz/60 Hz (Auto sensing)
<b>OUTPUT</b>	
AC Voltage Regulation (Batt. Mode)	230VAC ± 5%
Surge Power	5000VA
Efficiency (Peak) PV to INV	97%
Efficiency (Peak) Battery to INV	94%
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)
Output Port	Dual output(Optional)
Waveform	Pure sine wave
<b>BATTERY &amp; AC CHARGER</b>	
Battery Voltage	24 VDC
Floating Charge Voltage	27 VDC
Overcharge Protection	33 VDC
Maximum Charge Current	80 A(From grid)
SOC display	Shows battery State of charge in percentage and in voltage as well
Sleeping Mode	YES
Battery voltage low cut off selectable	11V-15V
Battery High voltage range selectable	12V-16V
Works without Battery	YES
<b>SOLAR CHARGER</b>	
Maximum PV Array Power	3000W
MPPT Range @ Operating Voltage	60-430 VDC
Maximum PV Array Open Circuit Voltage	450 VDC
Municipal electricity	80 A
Maximum Efficiency	98%
<b>PHYSICAL</b>	
Dimension, D x W x H (mm)	128*300*363
Net Weight (kgs)	6.9
Communication interface	USB/RS232/RS485/WIFI(Optional)
LCD display	General LCD
<b>OPERATING ENVIRONMENT</b>	
Humidity	5% to 95% Relative Humidity(Non-condensing)
Operating Temperature	0°C - 55°C
Storage Temperature	-15°C - 60°C
Waterproof grade	IP21

Product specifications are subject to change without further notice.