



HMK PLUS HYBRID INVERTER

HMK PLUS 1.5-2.5kW-12-24V



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.



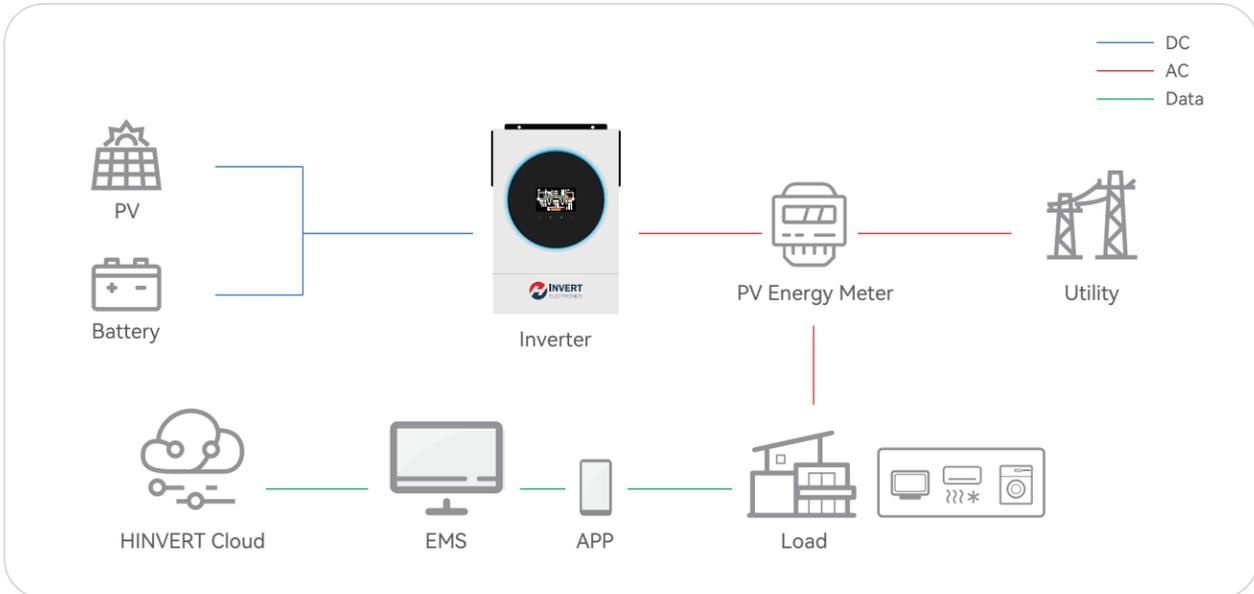
Pure Sine Wave

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 1.5kW-12V	HMK PLUS 2.5kW-24V
RATED POWER	1500W	2500W
INPUT		
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)	
OUTPUT		
AC Voltage Regulation (Batt. Mode)	230VAC ± 5%	
Surge Power	3000VA	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	
BATTERY & AC CHARGER		
Battery Voltage	12 VDC	
Floating Charge Voltage	13.5 VDC	
Overcharge Protection	16 VDC	
Maximum Charge Current	80 A(From grid)	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	21V-24V
Battery High voltage range selectable	12V-16V	25V-30V
Works without Battery	YES	
SOLAR CHARGER		
Maximum PV Array Power	2000W	3000W
MPPT Range @ Operating Voltage	60-430 VDC	60-430 VDC
Maximum PV Array Open Circuit Voltage	450 VDC	450 VDC
Municipal electricity	80 A	80 A
Maximum Efficiency	98%	
PHYSICAL		
Dimension, D x W x H (mm)	128*300*440	
Net Weight (kgs)	6.9	6.9
Communication interface	USB/RS232/RS485/WIFI(Optional)	
LCD display	General LCD	
OPERATING ENVIRONMENT		
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.