



# HMK PLUS HYBRID INVERTER

HMK PLUS 8-10.2-12kW-48V



### 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.



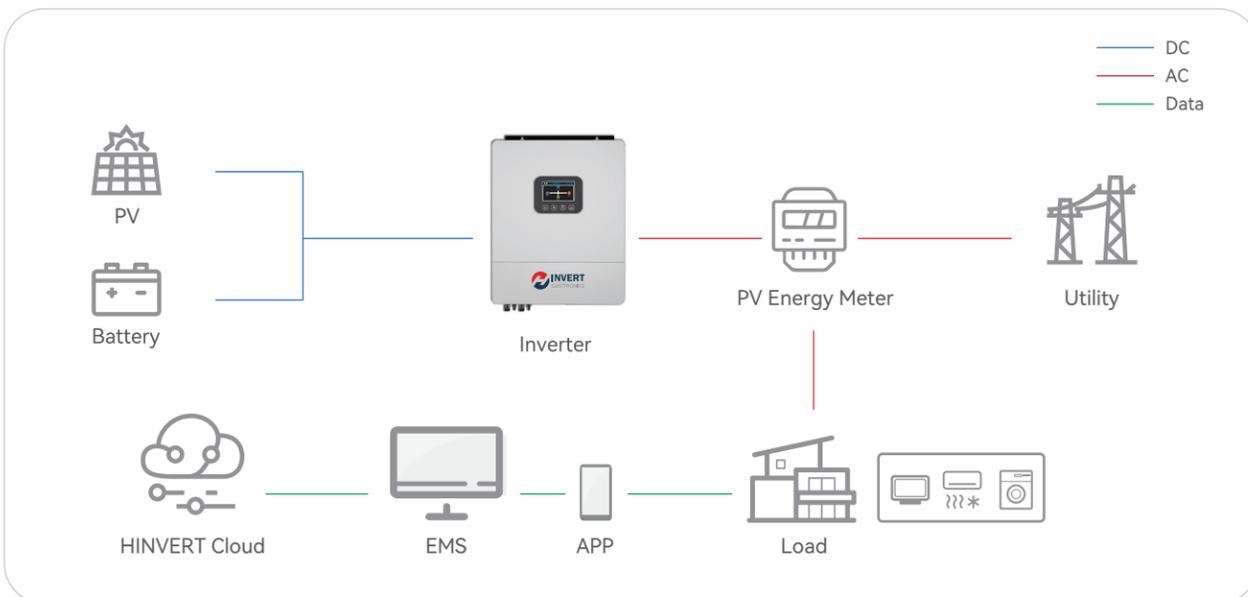
### Pure Sine Wave

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 8kW	HMK PLUS 10.2kW	HMK PLUS 12kW
RATED POWER	8000W	10200W	12000W
<b>INPUT</b>			
Voltage	230 VAC		
Selectable Voltage Range	170-280 VAC (For Personal Computers) 90-280 VAC (For Home Appliances)		
MPPT Tracker Number	2		
Maximum input current of PV	27 A*2(Max 40A)		
Frequency Range	50 Hz/60 Hz (Auto sensing)		
<b>OUTPUT</b>			
AC Voltage Regulation (Batt. Mode)	230VAC ± 5%		
Surge Power	16000VA	20400VA	24000VA
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	48 VDC		
Floating Charge Voltage	54 VDC		
Overcharge Protection	61 VDC		
Maximum Charge Current	160 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	40V-49V		
Battery High voltage range selectable	50V-60V		
Works without Battery	YES		
<b>SOLAR CHARGER</b>			
Maximum PV Array Power	10000W	12000W	13000W
MPPT Range @ Operating Voltage	60-450 VDC		
Maximum PV Array Open Circuit Voltage	500 VDC		
Municipal electricity	160 A		
Maximum Efficiency	98%		
<b>PHYSICAL</b>			
Dimension, D x W x H (mm)	540*440*130		
Net Weight (kgs)	16.5	18	19
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.