HMK PLUS HYBRID INVERTER

HMK PLUS 3.6-6kW-24-48V

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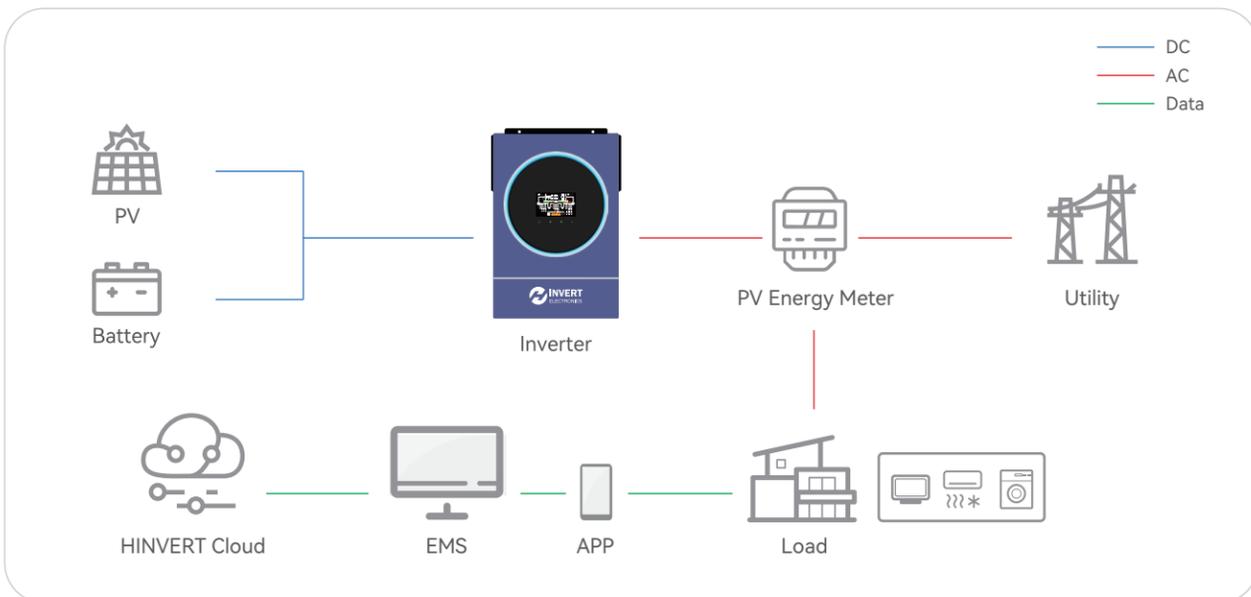
Pure Sine Wave
Pure Sine Wave Comparable to Utility Power, Protects Sensitive Appliances, a Reliable Choice.

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

DATASHEET	HMK PLUS 3.6kW-24V	HMK PLUS 6kW-48V
RATED POWER	3600W	6000W
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	7200VA	12000VA
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	24 VDC	48 VDC
Floating Charge Voltage	27 VDC	54 VDC
Overcharge Protection	33 VDC	61 VDC
Maximum Charge Current	120 A(From grid)	120 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	21V-24V	40V-49V
Battery High voltage range selectable	25V-30V	50V-60V
Works without Battery	YES	
SOLAR CHARGER		
Maximum PV Array Power	5000W	6500W
MPPT Range @ Operating Voltage	60-450 VDC	60-450 VDC
Maximum PV Array Open Circuit Voltage	500 VDC	500 VDC
Municipal electricity	120 A	120 A
Maximum Efficiency	98%	
PHYSICAL		
Dimension, D x W x H (mm)	128*300*440	
Net Weight (kgs)	8.7	10.6
Communication interface	USB/RS232/RS485/WIFI(Optional)	
LCD display	General LCD	
OPERATING ENVIRONMENT		
Humidity	5% to 95% Relative Humidity(Non-condensing)	
Operating Temperature	0℃ - 55℃	
Storage Temperature	−15℃ - 60℃	
Waterproof grade	IP21	

Product specifications are subject to change without further notice.