HMK PLUS OFF GRID INVERTER

HMK PLUS 6kW-48V

High-Efficiency Power

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

Safe & Reliable

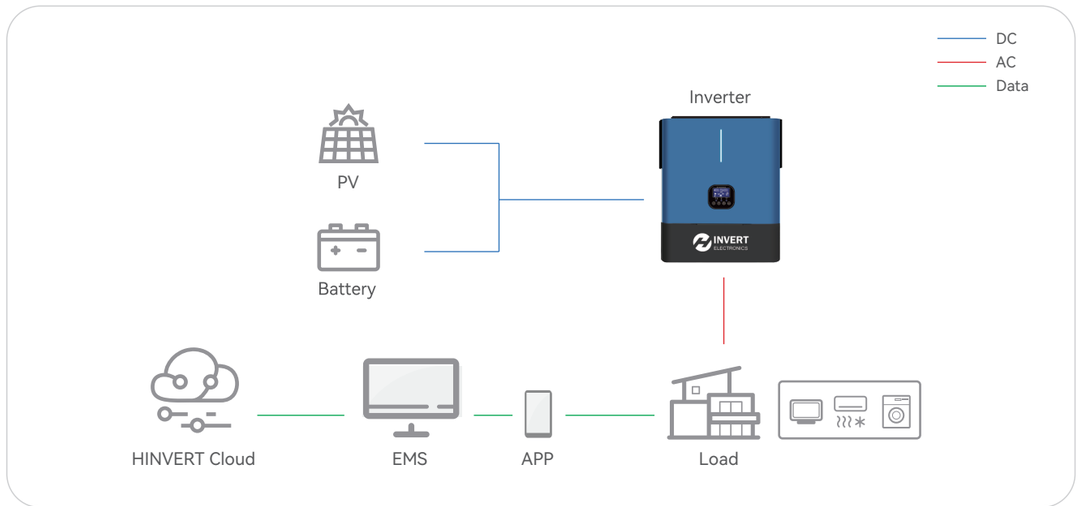
Safe & Reliable Overload Protection, Short-Circuit Protection, Built-in BMS, Passive Cooling, Corrosion-Resistant, Ensuring Worry-Free Operation.

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 6kW-48V
RATED POWER	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	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	48 VDC
Floating Charge Voltage	54 VDC
Overcharge Protection	61 VDC
Maximum Charge Current	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	40V-49V
Battery High voltage range selectable	50V-60V
Works without Battery	YES
SOLAR CHARGER	
Maximum PV Array Power	6500W
MPPT Range @ Operating Voltage	60-450 VDC
Maximum PV Array Open Circuit Voltage	500 VDC
Municipal electricity	120 A
Maximum Efficiency	98%
PHYSICAL	
Dimension, D x W x H (mm)	128*300*363
Net Weight (kgs)	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.