

# HMK PLUS All-in-One ESS

HMK PLUS 3-4/6-8kWh



### High-Efficiency Power

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



### Safe & Reliable

Overload Protection, Short-Circuit Protection, IP65 Protection, Built-in BMS, Natural Cooling, Corrosion Resistance.



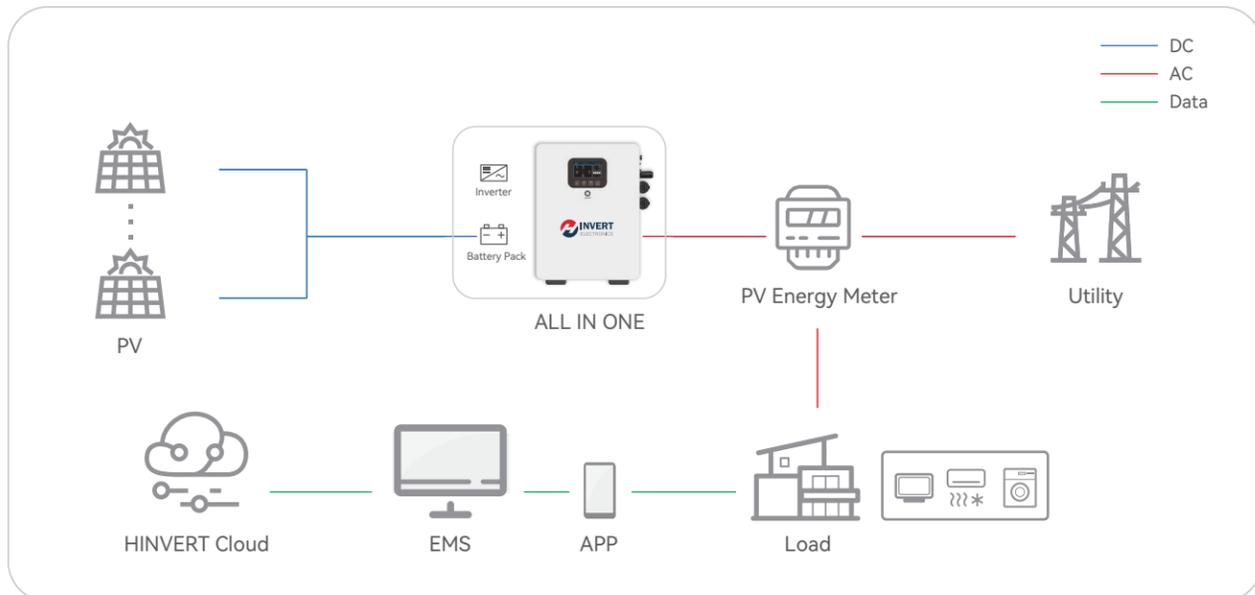
### Pure Sine Wave

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 3-4kWh	HMK PLUS 6-8kWh
Grid-connected power	3000W	6000W
Off-grid input/output	3000W	6000W
<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	6000VA	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)	
Waveform	Pure sine wave	
<b>SOLAR CHARGER</b>		
Maximum PV Array Power	4000W	7000W
MPPT Range @Operating Voltage	60-450 VDC	
Maximum PV Array Open Circuit Voltage	500 VDC	
Municipal electricity	80 A	120 A
Maximum Efficiency	98%	
<b>PHYSICAL</b>		
Communication interface	USB/RS232/RS485/WIFI(Optional)	
LCD display	General LCD	
Warranty	5 years	
<b>OPERATING ENVIRONMENT</b>		
Humidity	5% to 95% Relative Humidity(Non-condensing)	
Operating Temperature	-20°C - 55°C	
Storage Temperature	-15°C - 60°C	
Waterproof grade	IP65	
<b>Battery Parameters</b>		
Battery Model	LifeP04	
Capacity	4000Wh	8000Wh
Battery cycle life	6000 battery cycles	
Rated Voltage	12 VDC	24 VDC
Typical Capacity	330Ah	
Rated discharge current	120A	
<b>PHYSICAL</b>		
Dimension, Dx WxH (mm)	460*249*254	
Net Weight	≈45kg	

Product specifications are subject to change without further notice.