



HMK PLUS Three Phase Inverter

HMK PLUS 6-8-10-12kW-48V (3P)



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.



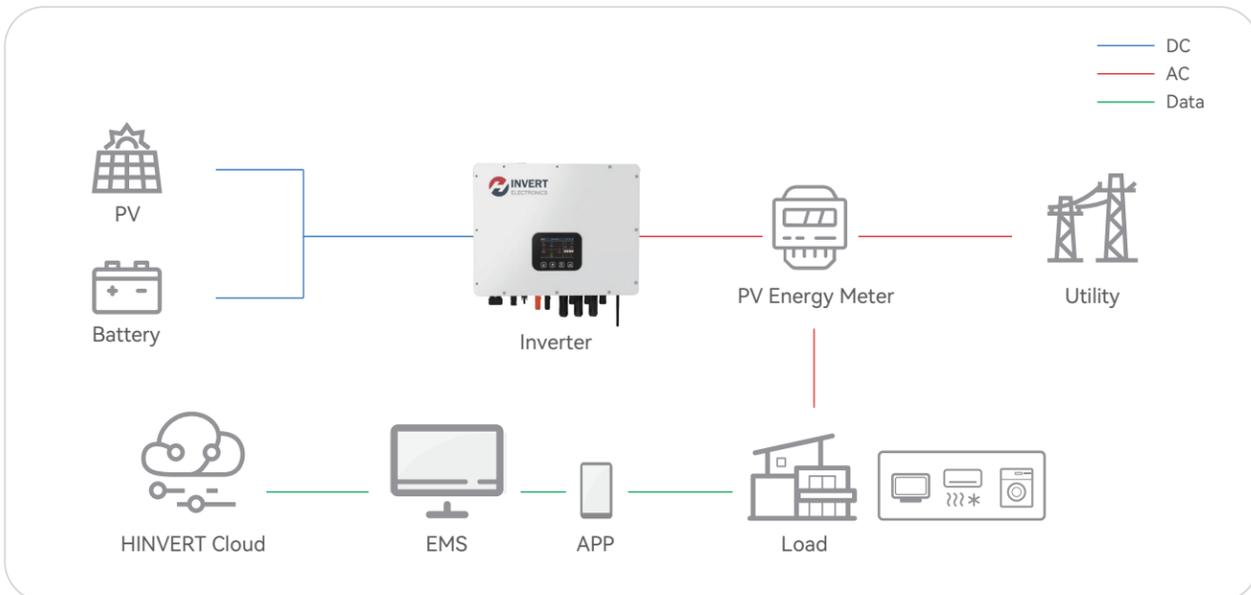
Pure Sine Wave

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	6kW-3P	8kW-3P	10kW-3P	12kW-3P
Battery input data				
Battery type	Lead-acid or lithium-ion			
Battery voltage range (V)	40-60			
Maximum battery charging/discharging current (A)	120/125	140/175	160/220	200/250
Charging Strategy for Lithium-Ion Batteries	Adaptive BMS			
Number of battery inputs	1			
PV String Input Data				
Maximum PV Input Power (W)	12000	16000	20000	24000
Maximum PV Input Power (kW)	15			
Maximum PV Input Voltage (V)	800			
Start-up Voltage (V)	160			
Maximum Power Voltage Range (V)	180~950			
Rated PV Input Voltage (V)	550			
Maximum PV Input Operating Current (A)	13+13	13+13	26+13	26+13
Maximum Input Short-Circuit Current (A)	17+17	17+17	34+17	34+17
MPPT Number of trackers / MPPT Number of strings supported per tracker	2/1+1	2/1+1	2/2+1	2/2+1
AC Input / Output Data				
Rated AC input/output active power (W)	6000	8000	10000	12000
Maximum AC input/output apparent power (VA)	6600	8000	11000	13200
Rated AC input/output current (A)	9.1/8.7	12.1/11.6	15.2/14.5	18.2/17.4
Maximum AC input/output current (A)	10/9.6	13.4/12.8	16.7/15.9	20/19.1
Maximum continuous AC bypass (grid to load) (A)	45			
Peak Power (Off-grid)(W)	2x rated power for 10 seconds			
Rated input/output voltage/range(V)	0.8 (Lag) -0.8 (Lead)			
Rated grid frequency (Hz)	220/380V,230/400V 0.85 From 1 times rated voltage to 1.1 times rated voltage			
Grid-tie type	50/60			
Total Current Harmonic Distortion (THDi)	<3% (Nominal Power)			
DC injection current	<0.5% within			
Efficiency	97.6%			
Maximum efficiency				
European energy efficiency	97.0%			
Maximum Power Point Tracking Efficiency	>99%			
Equipment Protection				
Integration	DC reverse polarity protection, AC output overcurrent protection, thermal protection, AC output overvoltage protection, AC output short-circuit protection, DC component monitoring, arc fault circuit interrupter (AFCI, optional), anti-islanding protection, DC switch, insulation impedance detection, residual current detection			
Surge protection class	Type II (DC), Type II (AC)			
Interface				
Communication interface	RS485			
Monitoring mode	WIFI			
General Data				
Operating Temperature (°C)	-25~60°C (>45°C Derating)			
Protection class	IP65			
Dimension, D x W x H (mm)	535*420*210			
Warranty	5 years			

Product specifications are subject to change without further notice.