EU STANDARD 220V
IP54 SOLAR INVERTER

7.2KW Features >

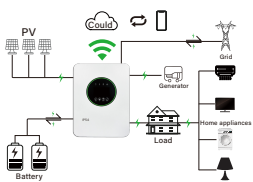
- IP54 high protection level, dustproof and waterproof design
- Can work without /With battery
- Support lithium battery /Gel/Lead Acid Battery/Deep cycle battery
- Built-in 120A MPPT controller
- PV input voltage:60-450V
- Pure sine wave solar Dual output
- Output power factor 1.0
- WIFI available for IOS and Android
- One-key restoration to factory Settings





Pure sine wave | BMS Lithium Battery Activation | WIFI optional | High-Efficiency | 120A MPPT | Anti-shock Arcing Switch | Output Multiple Modes | Smart battery charging design | DUSTPROOF

Connection Overview



Bottom view



1. AC Input
2. AC Output
3. Battery Input
4. PV Input
5. WIFI Port optional
6. BMS Port optional

TECHNICAL PARAMETER

Colorway

Model	HF07K2-48MH
AC Input	
Nominal Input Voltage	208/220/230/240VAC; L+N+PE
Voltage Range (VAC)	90~280V (APP MODE) 90~280V (GEN MODE) 170~264V (UPS MODE)
Frequency	50~60Hz (Adaptive)
AC Output	
Rated Capacity	6500W
Peak Power	12000VA
Nominal Output Voltage	208/220/230/240VAC; L+N+PE
Voltage Range (Settable)	90~280V (Appliance/Generator mode) 170~264V (UPS mode)
Power Factor	1
Frequency	Line mode: Follow line mode frequency; Battery mode: 50 / 60 Hz ± 0.1%
Switch Time (Line Mode to Battery Mode)	UPS mode: 10ms (Typical) Appliance mode: 10ms (Typical) Generator mode: 20ms (Typical)
Wave Form	Pure Sine Wave
Overload Capacity (Battery Mode)	1min@102%~120%Load 10s@ > 120%Load
Max Efficiency (Battery Mode)	94%@48VDC
Parallel Quantity	-
Charger (PV / AC)	
PV Charging method	MPPT
MPPT Voltage	60-450VDC
Max PV Input Current / Input Power	27A/9KW
Max PV Open Circuit Voltage	500VDC
Max PV Charge Current	120A
AC Charge Current	2-120A Settable
Max Charge Current (AC + PV)	120A
Battery	
Nominal Voltage	48VDC
Maximum Discharge Current	120A
Constant Charge Voltage (Settable)	56.4VDC
Floating Charge Voltage (Settable)	54VDC
Battery Over Voltage	61VDC
BMS Protocol (Optional)	VOL,GRO,PYL,IRO,CVT
Battery Type	Lithium / VRLA
Interface	
HMI	LCD, 4 buttons + 4 LED lights, can display running/input/output/load mode
Port	RS232: 5PIN/Pitch2.0mm, Baud 9600
Expansion Interface	2×13PIN/Pitch2.0mm; 1×12PIN/Pitch2.0mm, USB, RJ45, etc
Parallel Interface	-
Monitoring	WIFI (Optional)
General Data	
Ingress Protection	IP54
Operating Temperature	-10~60 ℃ (Reduce output power to 80% above 40 ℃)
Environment Humidity	20%~95% (No condensing)
Storage Temperature	-15~60℃ (Battery 0~40℃)
Operating Altitude	Should not exceed 1000m, up to 4000m. Refer to IEC62040-3
Noise	≤50db
product size / packing size (mm)	529*360*131mm / -
Net / Gross Weight (kg)	11.7kg / -