EU STANDARD 220V
IP54 SOLAR INVERTER

4.2KW Features >

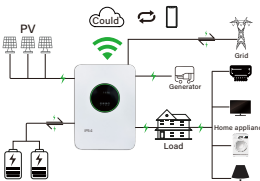
- IP54 high protection level, dustproof and waterproof design
- Can work without /With battery
- Support lithium battery /Gel/Lead Acid Battery/Deep cycle battery
- Built-in 100A MPPT controller
- PV input voltage:40-450V
- Pure sine wave Output
- Output power factor 1.0
- WIFI available for IOS and Android
- One-key restoration to factory Settings





Pure sine wave | BMS Lithium Battery Activation | WiFi optional | High efficiency | MPPT | Anti-islanding design standard | Multiple Modes | Smart battery charging design | DUST PROOF

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

Mode	HR04K2-24MH
AC Input	
Nominal Input Voltage	208/220/230/240VAC; L+N+PE
Voltage Range (VAC)	90~280V Settable (Appliance/Generator mode) 170~264V Settable (UPS mode)
Frequency	50~60Hz (Adaptive)
AC Output	
Rated Capacity	3600W
Peak Power	6000VA
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: 60ms (Typical)
Wave Form	Pure Sine Wave
Overload Capacity (Battery Mode)	1min@102%~110% Load; 10s@110%~130% Load; 3s@130%~150% Load; 0.2s@>150% Load
Max Efficiency (Battery Mode)	92.7%@24VDC
Parallel Quantity	—
Charger (PV / AC)	
PV Charging method	MPPT
MPPT Voltage	40-450VDC
Max PV Input Current / Input Power	18A / 5000W
Max PV Open Circuit Voltage	500VDC
Max PV Charge Current	100A
AC Charge Current	2~100A Settable
Max Charge Current (AC + PV)	100A
Battery	
Nominal Voltage	24VDC
Maximum Discharge Current	100A
Constant Charge Voltage (Settable)	28.2VDC
Floating Charge Voltage (Settable)	27VDC
Battery Over Voltage	30.8VDC
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	-
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)	460*335*128mm / -
Net / Gross Weight (kg)	8.65kg / -