EU STANDARD 220V HYBRID
SOLAR INVERTER

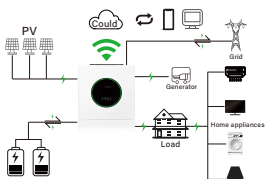


5KW Features >

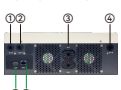
- Lithium battery activation function, which can be triggered by PV
- Pure Sine Wave
- PV input 500VDC Max
- MPPT Voltage 60-450VDC
- Detachable dust cover for harsh environment
- Wifi remote monitoring optional



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	HF0SK0-24MH
AC Input	
Nominal Input Voltage	208/220/230/240VAC, L+N+PE
Frequency	50~60Hz (Auto Adaptive)
AC Output	
Rated Capacity	5000W
Peak Power	10000VA
Nominal Output Voltage	208/220/230/240VAC, L+N+PE
Voltage Range (Settable)	90~280V (Appliance mode) 170~280V (UPS mode)
Power Factor	1
Frequency	Battery mode: 50 / 60 Hz ± 0.1%
Switch Time (Line Mode to Battery Mode)	UPS mode: 10ms (Typical) Appliance mode: 10ms (Typical) GEN mode:20ms
Wave Form	Pure Sine Wave
Overload Capacity (Battery Mode)	1min@102%~120%Load 10s@ > 120%Load
Max Efficiency (Battery Mode)	93.5%@24VDC
Parallel Quantity	-
Charger (PV / AC)	
PV Charging method	MPPT
MPPT Voltage	60~450VDC
Max PV Input Current / Input Power	27A / 9000W
Max PV Open Circuit Voltage	500VDC
Max PV Charge Current	160A
AC Charge Current	160A Settable
Max Charge Current (AC + PV)	160A
Battery	
Nominal Voltage	24VDC
Maximum Discharge Current	160A
Constant Charge Voltage (Settable)	28.2VDC
Floating Charge Voltage (Settable)	27VDC
Battery Over Voltage	30.5VDC
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	RS485/RS232/USB, Baud 9600
Expansion Interface	2×13PIN/Pitch2.0mm, 1×12PIN/Pitch2.0mm, USB, RJ45
Parallel Interface	-
Monitoring	WIFI (Optional)
General Data	
Ingress Protection	IP21
Operating Temperature	-10°~60 °C (Reduce output power to 80% above 40 °C)
Environment Humidity	5%~95% (No condensing)
Storage Temperature	-15~60°C (Battery: 0~40°C)
Operating Altitude	Should not exceed 1000m, up to 4000m. Refer to IEC62040-3
Noise	≤50db
product size / packing size (mm)	410*336*121mm / 490*394*188mm
Net / Gross Weight (kg)	8.4kg / 9.48kg