

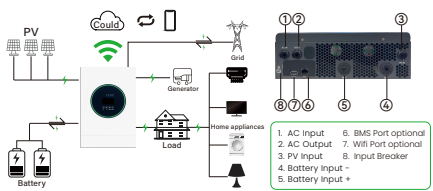
EU STANDARD 220V HYBRID SOLAR INVERTER

4KW Features >

- Lithium battery activation function, which can be triggered by PV
- Pure Sine Wave
- PV input 500VDC Max
- MPPT Voltage 40-450VDC
- Detachable dust cover for harsh environment
- Wifi remote monitoring optional



Connection Overview



1. AC Input
2. AC Output
3. PV Input
4. Battery Input -
5. Battery Input +
6. BMS Port optional
7. Wifi Port optional
8. Input Breaker

Bottom view

TECHNICAL PARAMETER

Colorway

Mode	HF03K6-24MH
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	40~70Hz (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	30.5VDC
BMS Protocol (Optional)	VOL,GRO,PYL,JRO,CVT
Battery Type	Lithium / VRLA
Interface	
HMI	LCD, 4 buttons + 4 LED lights, can display running/input/output/load mode
Port	RS232: 5PIN/Pitch2mm , Baud 9600
Expansion Interface	-
Parallel Interface	-
Monitoring	WIFI (Optional)
General Data	
Ingress Protection	IP21
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
product size / packing size (mm)	435*294*103mm / 500*343*172mm
Net / Gross Weight (kg)	6.5kg / 7.64kg