EU STANDARD 220V HYBRID **SOLAR INVERTER**

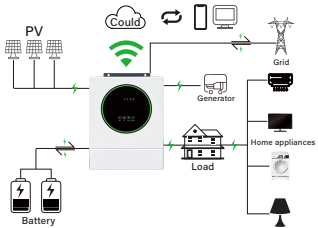


2KW Features

- Lithium battery activation function, which can be triggered by PV
- Pure Sine Wave
- PV input 450VDC Max
- MPPT Voltage 30~400VDC
- Detachable dust cover for harsh environment
- Wifi remote monitoring optional
- Support multiple output priority: UTL,SOL,SBU,SUB



Connection Overview



TECHNICAL PARAMETER

Colorway

Mode	HF02KB-12MH
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	40~70Hz (Adaptive)
AC Output	
Rated Capacity	2000W
Peak Power	4000VA
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)	10ms (APP/UPS mode) / 20ms (GEN mode)
Wave Form	Pure Sine Wave
Overload Capacity (Battery Mode)	long term@102%-125% load; 10s@125%-250% load
Max Efficiency (Battery Mode)	91%@12VDC
Parallel Quantity	—
Charger (PV / AC)	
PV Charging method	MPPT
MPPT Voltage	30-400VDC
Max PV Input Current / Input Power	18A / 3000W
Max PV Open Circuit Voltage	450VDC
Max PV Charge Current	100A
AC Charge Current	100A
Max Charge Current (AC + PV)	100A
Battery	
Nominal Voltage	12VDC
Maximum Discharge Current	150A
Battery Over Voltage	16VDC
BMS Protocol (Optional)	VOL,GRO,PYL,JRO,CVT
Battery Type	Lithium / Lead-acid
Interface	
HMI	LCD, 4 buttons + 4 LED lights, can display running/input/output/load mode
Port	RS485 / CAN / RS232/ CT (optional) / Meter (optional)
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	5%~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)	331*270*100mm / -
Net / Gross Weight (kg)	4.5kg / -