

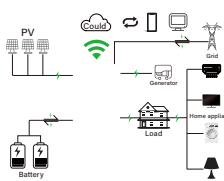
US STANDARD 110V SINGLE PHASE
SOLAR INVERTER

4KW Features >

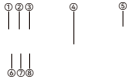
- Built-in 100A Solar Charger
- Pure sine wave
- Wide PV Input Voltage Range 60-500V
- 18A MAX PV Input
- Dual AC Out
- 5 Inch Display
- Support Lithium / Lead-acid Batter
- Lithium Battery Activation
- Support Meter/CT Connection(optional)

Pure sine wave | BMS Lithium Battery Activation | WiFi optional | High Efficiency | MPPT MPPT | Anti-shock design terminal | Output Multiple Priority | Smart battery charging design

Connection Overview



Bottom view



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

TECHNICAL PARAMETER

Mode	UH04K0-24MH
AC Input	
Nominal Input Voltage	120VAC; L + N + PE
Voltage Range	90~140VAC (APP/GEN/UPS mode)
Frequency	40~70Hz (APP/GEN mode); 50 / 60Hz ± 10Hz (UPS mode)
AC Output	
Rated Capacity	4000W
Peak Power	8000VA
Voltage	100 / 110 / 120 / 127 VAC
Power Factor	1
Frequency	Line mode: Follow line mode frequency; Battery mode: 50 / 60 Hz ± 0.1%
Switch Time	10ms (APP/UPS mode) / 20ms (GEN mode)
Wave Form	Pure Sine Wave
Overload Capacity	1min@102%-120% Load, 10s@120%-200% Load
Efficiency	Line mode: >98%@4kVA; Battery mode: 92.6% Max
Parallel Quantity	_
Charger (PV / AC)	
PV Charging method	MPPT
Max PV Input Current / Input Power	18A / 5000W
MPPT Tracking Range	60~450VDC
Max PV Open Circuit Voltage	500VDC
Min Activation Voltage	70VDC
PV Input Short-Circuit Current	22A
Max. Charge Current (PV + AC)	100A
Battery	
Nominal Voltage	24VDC
Max Discharge Current	170A
Max Charging Current	100A
Battery Type	Lithium / Lead-acid
Interface	
HMI	LCD
Port	RS232 / RS485 / Dry Contact / CT(optional)
Expansion Interface	-
Monitoring	WIFI (Optional)
General Data	
Ingress Protection	IP21
Operating Temperature	-10~60 °C
Environment Humidity	5%~95% (No condensing)
Operating Altitude	Should not exceed 1000m, up to 4000m. Refer to IEC62040
Noise	≤50db
product size / packing size	438*325*121mm / 500*375*182mm
Net / Gross Weight	7.2KG / 7.9KG