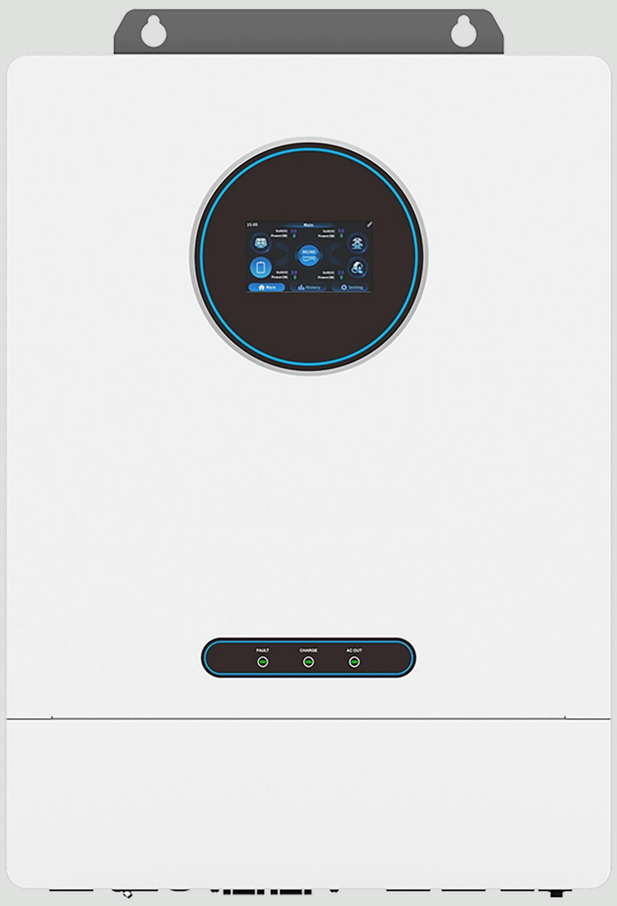
# AS Split-phase On/Off Grid Solar Inverter

**7KW/12KW**



## MAIN FEATURES

- Built-in 2 MPPT
- Can parallel 1-6 units
- Can operate independently off the grid or in parallel with the grid
- Capable to work without battery
- Detachable dust cover for harsh environment
- Wifi remote monitoring optional

## Product Specifications

| Model | | AS722048-M150-A | AS722048-M150-B | AS123048-M200-A | AS123048-M200-B |
|---|---|---|---|---|---|
| Parallel Mode (function reserved) | Allow Quantity | -A None/-B 1~6 | | | |
| Mains Mode | Nominal Input Voltage | 120VAC(L1/N, L2/N)/240VAC(L1/L2) | | | |
| | Input Voltage Range | (85~140VAC)±2% | | | |
| | Frequency | 50/60Hz(Auto detect) | | | |
| | Frequency Range | 47±0.3Hz~55±0.3Hz(50Hz); 57±0.3Hz~65±0.3Hz(60Hz) | | | |
| | Max.Efficiency | >95% | | | |
| | Conversion Time (bypass and inverter) | 10ms(Typical Value) | | | |
| | Max.Bypass Overload Current | 2pole, 50A/50A(L1/L2) | | 2P,63A/63A(L1/L2) | |
| Inverter Mode | Output Voltage Waveform | Pure Sine Wave | | | |
| | Nominal Output Power | Split phase:7200VA<br>Single phase: 6000VA | | Split phase:12000VA/12000W<br>Single phase: 7200VA/7200W(limited by the wiring terminals) | |
| | Power Factor | 1 | | | |
| | Nominal Output Voltage | 120VAC(L1/N,L2/N)/240VAC(L1/L2) | | | |
| | Output Frequency Range | 50±0.3Hz/60±0.3Hz | | | |
| | Max.Efficiency | >91% | | | |
| | Overload Protection | (105% < load <110%) ±5%: report error and turn off the output after 5 minutes;<br>(110% < load < 125%) ± 5%: report error and turn off the output after 10 seconds;<br>Load >125% ±5%: report error and turn off the output after 5 seconds; | | (102%<load<110%) ±5%: report error and turn off the output after 5 minutes<br>(110%<load<125%) ± 5%: report error and turn off the output after 10 seconds<br>load>125% ±5%: report error and turn off the output after 5 seconds | |
| | Peak Power | Split phase: 10800VA Single phase: 10800VA | | Split phase:18000VA Single phase:18000VA | |
| | Load Motor Capability | 4HP | | 6HP | |
| | Nominal Battery Input Voltage | 51.2V (Minimum starting voltage 44V) | | | |
| | Battery Voltage Range | 40.0Vdc~58.6Vdc±0.6Vdc (Undervoltage alarm/shutdown voltage/overvoltage alarm /overvoltage recovery... settable on LCD screen) | | | |
| | Save Power Mode | Loads 25W | | | |
| Mains Charge | Battery Type | Lead-acid or lithium batteries | | | |
| | Max.Charge Current (configurable) | 120A | | 160A | |
| | Charge Voltage Range | 40~58.6VDC | | | |
| Solar Charge | Max.PV Open Circuit Voltage | 500VDC | | | |
| | PV Operate Voltage Range | 90VDC~485VDC | | | |
| | MPPT Voltage Range | 90VDC~450VDC | | | |
| | Battery Voltage Range | 40~58.6VDC | | | |
| | Max.PV Input Power/Current | 4500W*2 | | 9000W*2/27A*2 | |
| | Charge Current Range (configurable) | 150A | | 300A | |
| Max.Hybrid Charge Current (PV+AC) | Max.Hybrid Charge Current (configurable) | 0~150A | | 0~220A | |
| Certification | Safety Certification | UL 1741 | | | |
| | EMC Certification Level | FCC part15, CLASS B | | | |
| | Operate Temperature Range | -10~55°C(>45°C derating) | | | |
| | Storage Temperature Range | -25~60°C | | | |
| | Humidity Range | 5~95%(Three anti-paint protection) | | | |
| | Noise | ≤60dB | | | |
| | Cooling | Forced air cooling, adjustable wind speed | | | |
| | Communicate | USB/RS485(/WiFi/GPRS)/Dry node control | | | |
| Dimensions(L*W*H)mm | | 580*127*359 | | 450*132*620 | |
| Package Dimensions(L*W*H)mm | | 700*252*470 | | 545*230*715 | |
| Weight(KG) | | 18.9 | | 23.8 | |