

Feature:

- ◆ Pure sine wave output.
- ◇ Wide AC voltage input range, AVR output.
- ◆ Adopt traditional EI transformer , stable performance.
- ◇ LCD/LED&LCD real-time display, concise and straightforward.
- ◆ Working modes: AC first or battery first optional, intelligent charging.
- ◇ Built-in MPPT or PWM charge controller optional.
- ◆ RS232 communication port optional.



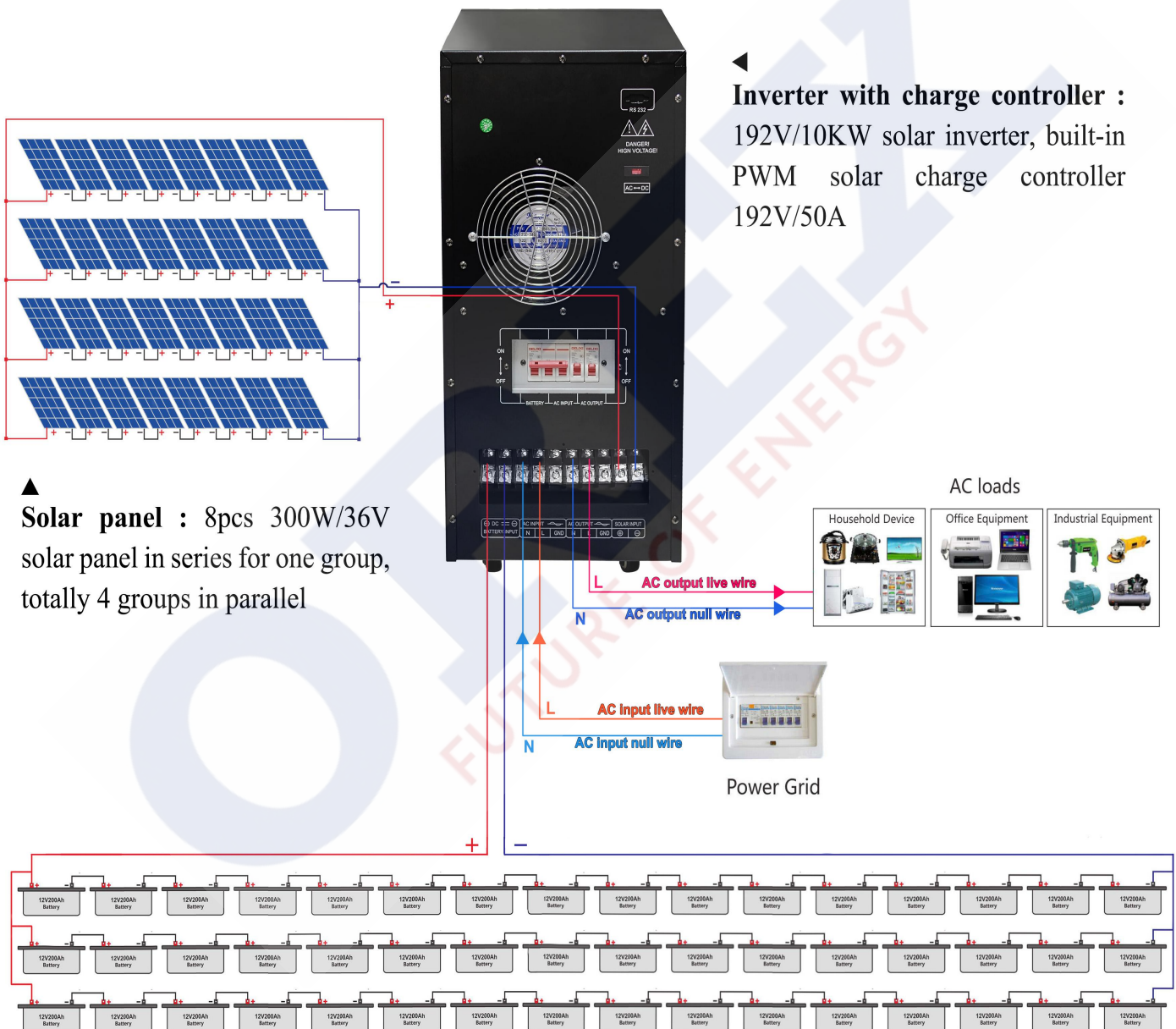
Product Parameters

| Specification | | |
|------------------------------------|------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Model NB | | 103192 |
| Rated Power | | 10KW |
| Peak Power (20ms) | | 30KW |
| Start Motor | | 7HP |
| Battery Voltage | | 192 |
| Size(L*W*Hmm) | | 485*300*646 |
| Packing Size(L*W*Hmm) | | 550*365*785 |
| N.W.(kg) | | 66 |
| G.W.(kg) (Carton Packing) | | 76 |
| Installation Method | | Tower |
| Parameter | | |
| Input | DC Input Voltage Range | 10.5-15VDC (Single battery voltage) |
| | AC Input Voltage Range | 98VAC~125VAC / 195VAC~250VAC(10KW) |
| | AC Input Frequency Range | 45Hz~64Hz |
| | Max AC charging current | 15A MAX (Depending on the model) |
| | AC charging voltage | LEAD battery : Charge Voltage :14V; Float Voltage:13.8V (Single battery voltage) |
| | AC charging method | Three-stage (constant current, constant voltage, floating charge) |
| Output | Efficiency(Battery Mode) | ≥85% |
| | Output Voltage(Battery Mode) | 110VAC±2% / 220VAC±2%(Battery Mode) |
| | Output Frequency(Battery Mode) | 50Hz±0.5 or 60Hz±0.5 |
| | Output Wave(Battery Mode) | Pure Sine Wave |
| | Efficiency(AC Mode) | >99% |
| | Output Voltage(AC Mode) | 110VAC±10% / 220VAC±10% |
| | Output Frequency(AC Mode) | Tracking Automatically |
| | Output waveform distortion(Battery | ≤3% (Linear load) |
| | No load loss(Battery Mode) | ≤1% rated power (10KW) |
| | No load loss(AC Mode) | ≤2% rated power (charger does not work in AC mode) |
| No load loss(Energy saving Mode) | ≤10W | |
| Battery Type | Customize battery | Charge and discharge parameters of different types of batteries (such as lithium batteries, etc.) can be customized according to user requirements |
| Protection | Battery undervoltage alarm | 11V (Single battery voltage) |
| | Battery undervoltage protection | 10.5V (Single battery voltage) |
| | Battery overvoltage alarm | 15V (Single battery voltage) |
| | Battery overvoltage protection | 17V (Single battery voltage) |
| | Battery overvoltage recovery voltage | 14.5V (Single battery voltage) |
| | Overload power protection | Automatic protection (battery mode), circuit breaker or insurance (AC mode) |
| | Inverter output short circuit protection | Automatic protection (battery mode), circuit breaker or insurance (AC mode) |
| Alarm | Temperature protection | >90°C (Shut down output) |
| | A | Normal working condition, buzzer has no alarm sound |
| | B | Buzzer sounds 4 times per second when battery failure, voltage abnormality, overload protection |
| Inside Solar controller (Optional) | C | When the machine is turned on for the first time, the buzzer will prompt 5 when the machine is normal |
| | Charging Mode | PWM |
| | Charging current | 192V System: 50A |
| | PV Input Voltage Range | 192V System : 240V-352V |
| | Max PV Input Voltage(At 25°C) | 192V System : 400V |
| | PV Array Maximum Power | 192V System : 9.6KW |
| Environment | Standby loss | ≤3W |
| | Maximum conversion efficiency | >95% |
| | Working Mode | Battery First/AC First/Saving Energy Mode |
| | Transfer Time | >2.5ms≤4ms |
| Warranty | Display | LCD |
| | Thermal method | Cooling fan in intelligent control |
| | Communication | RS232(Optional) |
| Environment | Operating temperature | -10°C~40°C |
| | Storage temperature | -15°C~60°C |
| | Noise | ≤55dB |
| | Elevation | 2000m (More than derating) |
| | Humidity | 0%~95% ,No condensation |
| | Warranty | 3 years |

Note: All specifications are subject to change without prior notice

10KW/192V solar power system

(System solution based on 5hrs average sunshine time, 8000W output loads backup time 4hrs)



▲ **Solar panel :** 8pcs 300W/36V solar panel in series for one group, totally 4 groups in parallel

◀ **Inverter with charge controller :** 192V/10KW solar inverter, built-in PWM solar charge controller 192V/50A

AC loads



Power Grid

▲ **Maintenance free Lead Acid battery :** 16pcs 12V/200AH battery in series for one group , totally 3 groups in parallel