

Features:

On inverter

- High overload ability
- Low battery voltage trip selectable, extracting max power from various batteries with different protections
- Low quiescent current, selectable sensing cycle to reduce power consumption

On battery charger

- 3-step intelligent battery charging
- 8 preset battery type selector plus de-sulphation for totally flat batteries
- Powerful charge rate up to 70Amp, selectable charging current
- PFC(Power Factor Correction) for charger, less power consumption than conventional units

On transfer

- Delay before transfer, extra protections for loads under generator mode
- Input AC voltage range selectable, for different kinds of loads
- 8ms typical transfer time, guarantees power continuity
- 30A/40A through current ability
- Output voltage regulation optional

On remote control & other features

- Ability to switch the unit on/off
- Ability to select/deselect power saver mode
- 17 alarms/warnings, informative for easier operation and trouble-shooting
- LCD status display available
- RS232 communication port optional

Big Power Inverter SNW7 Series

| MODEL | 10001(2) | 20001(2,4) | 30001(2,4) | 40002(4) | 50002(4) | 60002(4) |
|--------------------|---|------------|------------|----------|----------|----------|
| Nominal Power | 1000W | 2000W | 3000W | 4000W | 5000W | 6000W |
| AC Input | | | | | | |
| Phase & Waveform | single phase & sine wave | | | | | |
| Voltage | 100VAC / 120VAC / 220VAC / 230VAC / 240VAC | | | | | |
| Acceptable Voltage | 194-243VAC / 164-243VAC (wide mode) | | | | | |
| Line Low Transfer | 85V±4% / 184 (154wide mode±4%) | | | | | |
| Line Low Return | 95V±4% / 194 (164wide mode±4%) | | | | | |
| Line High Transfer | 135V±4% / 253±4% | | | | | |
| Line High Return | 127V±4% / 243±4% | | | | | |
| Frequency | 50Hz or 60Hz (auto sensing) | | | | | |
| Line Low Transfer | 47Hz for 50Hz, 57Hz for 60Hz | | | | | |
| Line High Transfer | 55Hz for 50Hz, 65Hz for 60Hz | | | | | |
| OUTPUT | | | | | | |
| Phase & Waveform | single phase & sine wave (bypass mode sync to input) | | | | | |
| Voltage | 100VAC / 120VAC / 220VAC / 230VAC / 240VAC (same as input on bypass mode) | | | | | |
| Voltage Regulation | ±10%rms (bypass mode sync to input) | | | | | |
| Frequency | 50Hz or 60Hz (auto sensing) | | | | | |

| | | | | | | |
|--------------------------|--|-------------|-------------|-------------|---------|---------|
| Crest Power | 3 times of ratings | | | | | |
| Short Circuit Protection | yes,shut down after 10 minutes | | | | | |
| Power Factor | 0.9-1.0 | | | | | |
| DC Input | | | | | | |
| Battery Voltage | 12V/24V | 12V/24V/48V | 12V/24V/48V | 24V/48V | 24V/48V | 24V/48V |
| Minimum Start Voltage | 10V for 12V, 20V for 24V, 40V for 48V | | | | | |
| Low Battery Alarm | 10.5V for 12V, 21V for 24V, 42V for 48V | | | | | |
| Low Battery Transfer | 10V for 12V, 20V for 24V, 40V for 48V | | | | | |
| High Voltage Alarm | 16V for 12V, 32V for 24V, 64V for 48V | | | | | |
| Max Charging Current | 20A-75A | | | | | |
| Over Charge Voltage | 15.7V for 12V, 31.4V for 24V, 62.8V for 48V | | | | | |
| Transfer Efficiency | | | | | | |
| Line Mode | >95% | | | | | |
| Battery Mode | >85% | | | | | |
| Power Saver | available when the load is less than 50 watts | | | | | |
| Indicators | | | | | | |
| 7-LED Display | from the right to the left, LED1 line mode(green lighting), LED2 inverter mode (green lighting), LED3 charging mode(yellow lighting), LED4 fully charged (green lighting), LED5 over heat shut down(red lighting), LED6 overloaded shut down(red lighting), LED7 saving mode(green lighting) | | | | | |
| 3-LED Display | charging mode(green lighting), inverter mode(green lighting), alarm(red lighting) | | | | | |
| LCD Display | input voltage, output voltage, frequeney, battery voltage, load | | | | | |
| Switch Selector | saving mode is on/off when push the switch forwards/backwards,keeping it horisontal is turning the inverter off | | | | | |
| Audible Alarm | sounding when the heatsink's tem is over 105C° and shutdownm after 30 seconds | | | | | |
| Protections | low battery, over charging, over temp, over load | | | | | |
| Communications | RJ11 / RS232(optional) | | | | | |
| Environmental | | | | | | |
| Operating Environment | 0-40℃, 0-95%RH (non-condensing) | | | | | |
| Audible Noise | <60dB | | | | | |
| Physical | | | | | | |
| Net Weight (KG) | 14 | 19 | 23 | 35 | 44 | 44 |
| Dimension:DxWxH(mm) | 218x179x442 | | | 218x179x598 | | |
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