

GREEN



## Zcomax Solar Series Stand-alone Photovoltaic Inverter

The Zcomax Solar Series Stand-alone Photovoltaic Inverter is designed to provide conditioned and regulated power for all your sensitive electronic equipment, microcomputers and other important equipment needs. This device will protect you from the damaging effects of voltage sags, spikes and even complete power failure.

- Convertible Pure Sine Wave PV Inverter
- State-Of-The-Art Twistable Display Panel With Ergonomic Consideration
- User Friendly LED Display
- Customer Options Slot For Flexibility In Application
- IP65 Cabinets For Both Indoor And Outdoor Applications
- Optional Built-In Solar Charger
- Plug-and-Play Fast External Battery Charger
- Communication Software Control
- Voltage Configuration DIP Switch
- Smart Fan Operation

### SPECIFICATION

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| Model Item                              | ZSA-1000  | ZSA-1500       | ZSA-2200   | ZSA-3000   |
|---|---|----------------|--|--|
| Power Rating, VA / W                    | 1000VA / 900W   | 1500VA / 1350W | 1920VA / 1920W   | 3000VA / 2700W   |
| Surge Protection                        | 570J  |                |  |  |
| Voltage range without battery operation | 83 ~ 159 (configurable)   |                |  |  |
| Frequency range                         | 45 ~ 65 Hz (± 0.5Hz)  |                |  |  |
| Input power cord (3m cord)              | NEMA 5-15P  |                | NEMA 5-20P   | NEMA L5-30P  |
| Output Receptacles                      | (6) NEMA 5-15R  | (6) NEMA 5-15R | (4) NEMA 5-15R<br>(2) NEM5-20R<br>T-Slot, accepts 15A plug | (4) NEMA 5-15R<br>(2) NEM5-20R<br>T-Slot, accepts 15A plug<br>(1)NEMA L5-30R |
| Voltage (Normal Mode)                   | 110 / 120 / 127 VAC (configurable) ±5% before low battery warning |                |  |  |
| Voltage (Backup mode)                   | 110 / 120 / 127 VAC (configurable) ±10%                           |                |  |  |
| Transfer Time                           | 4 ~ 6 ms typical  |                |  |  |
| Waveform                                | Sine wave   |                |  |  |
| Frequency (Normal mode)                 | 50 ~ 60 Hz (± 0.5Hz) auto-sensing                                 |                |  |  |
| Frequency (Backup mode)                 | 45 ~ 65 Hz (± 0.5Hz)  |                |  |  |
| <b>Overload Warning</b>                 | Normal Mode   |                |  |  |
| > 100% ~ 1119%                          | Continuous overload alarm till end of battery discharged          |                |  |  |
| > 120% ~ 130%                           | Shutdown after 10 seconds   |                |  |  |
| > 130%                                  | shutdown PV inverter immediately                                  |                |  |  |
| <b>Overload Warning</b>                 | backup Mode   |                |  |  |
| > 100% ~ 109%                           | Continuous overload alarm and power to the load                   |                |  |  |
| > 110% ~ 120%                           | Shutdown after 10 minutes   |                |  |  |
| > 120%                                  | shutdown PV inverter immediately                                  |                |  |  |
| <b>General Characteristics</b>          |   |                |  |  |
| Dimensions WxDxH (mm)                   | 440x495x88  |                | 440x708x88   |  |
| Weight (kg)                             | 15  | 16             | 23   | 24   |
| Operating Temperature                   | 0°C ~ +40°C   |                |  |  |
| Storage Temperature                     | -15°C ~ +40°C   |                |  |  |
| Relative Humidity                       | <95% non-condensing   |                |  |  |
| Operating Altitude                      | 3000m at 35°C without de-rating                                   |                |  |  |
| Audible Noise                           | <40 dBA, (fans off) / <45 dBA (fans on)                           |                |  |  |