



Summarize:

The grid connected inverter can be used with a connection to grid or power lines. This type supplies the loading appliances with electric power produced by photovoltaic systems.

The advantage of grid-type is not to worry any power waste because, by connecting inverter to grid, it can save any surplus electricity

Features:

- High efficiency in energy conversion(over 96%)
- Advanced technology for maximum power point tracking(MPPT)
- Wide range of input DC power
- Complete protection features ensures greater reliability of the system
- Multiple communication interfaces
- Ease of installation to save time and money
- Multi-lingual LCD display feature enables free-setting functions
- User-friendly interface enables setting various operating parameters by pressing a button
- Minimized size and weight

Application:

- Commercial solar power plants
- Houses and buildings connected to grid

Technical Data:

| | | |
|-----------------------------|--|--|
| Model No | ZZ-ZB5.0KW | |
| DC Input | MPPT Voltage Range | DC100-500V |
| | Rated DC Voltage | 360V |
| | Starting Voltage | 180VDC |
| | Control System | MPPT |
| AC Output | Output Power | 5000W |
| | Rated Voltage | (Grid-voltage) AC220±13V |
| | Voltage Range | AC185~264V |
| | Normal Grid Frequency | 50/60Hz |
| | Number of Phases | 1 phase, 2 wires(Transformer-less Type) |
| | Power Factor | >0.95(at nominal power) |
| | Current THD | At rated power and in the sine wave<3.5% |
| | Control System | PWM |
| | Anti-islanding | ≤0.5 sec. |
| | Total Max.Current | 22.7A |
| | Output Overload | 100% |
| | Max. Efficiency | 97% |
| | Euro Efficiency | 96.4% |
| Structure | Cooling System | Nature cooling |
| | Protection Degree | IP20/ NEMA 4X |
| | Noise | <50dB |
| | Dimensions(W*H*D) | 640*375*285mm |
| | Weight | 28.5kgs |
| | Comm.Interfaces | External RS 232C |
| | Display | LCD |
| Environment | No corrosion gas, flammable gas, oil mist, dust etc. | |
| Stored temperature | -20℃~65℃ | |
| Operation temperature range | -10℃~40℃(50℃) | |
| Relative Humidity | 0~100%(Do not wet with dew) | |
| Protection | (Inverter) Input over-voltage, Output Short Circuit, Overheat, Overload, Output DC component | |
| | (Grid) Anti-islanding(IEEE1547), Over/Under Voltage of Grid, Over/Under Frequency of Grid | |