











## SOLAR INVERTER IVEM8048

-  Pure sine wave inverter.
-  Built-in MPPT solar charge controller.
-  Configurable input voltage range for home appliances and personal computers via LCD setting.
-  Configurable battery charging current based on applications via LCD setting.
-  Configurable AC/Solar Charger priority via LCD setting.
-  Compatible to mains voltage or generator power.
-  Auto restart while AC is recovering.
-  Built-in Wi-Fi for mobile monitoring (APP is required).
-  Configurable second AC output (Output time customization).
-  Parallel connection quantity up to 6 units (Battery must be connected).

## Specification

| Model                                     | IVEM8048                                  |
|-------------------------------------------|-------------------------------------------|
| Rated Output Power(VA)                    | 8000VA                                    |
| Rated Output Power(W)                     | 8000W                                     |
| Nominal DC Input Voltage                  | 48V                                       |
| Nominal Input Voltage                     | 230Vac                                    |
| Max AC Input Voltage                      | 280Vac                                    |
| Nominal Input Frequency                   | 50Hz / 60Hz (Auto detection)              |
| Efficiency (Line Mode)                    | >95% (Rated R load, battery full charged) |
| Pass Through Without Battery              | Yes                                       |
| <b>Utility Charge Mode Specifications</b> |                                           |
| Input Voltage Range                       | 90-280Vac                                 |
| Over Charge Protection                    | Yes                                       |
| <b>Solar Charging &amp; Grid Charging</b> |                                           |
| Max. PV Open Circuit Voltage              | 500V                                      |
| PV Voltage Working Range                  | 90V-450V                                  |
| Max. Input Power                          | 8000W(5000W for single PV)                |
| Max. Solar Charging Current               | 150A                                      |
| Max. Charging Current(PV+Grid)            | 150A                                      |
| Max. Input Current                        | 20A×2(MAX 40A)                            |
| Min. Startup Voltage                      | 100V                                      |
| <b>Inverter Mode Specifications</b>       |                                           |
| Output Voltage Waveform                   | Pure sine wave                            |
| Nominal Output Voltage                    | 230Vac±5%                                 |
| Nominal Output Frequency (Hz)             | 50±0.3Hz/60Hz±0.3Hz (Adjustable)          |
| Parallel capability                       | Yes, up to 6 units                        |
| Peak Efficiency                           | 93%                                       |
| Over-Load Protection (SMPS load)          | 5s@≥150% load; 10s@105%~150% load         |
| Surge Rating                              | 2* rated power for 5s                     |
| Capable of Starting Electric              | Yes                                       |
| Output Short Circuit Protection           | Yes                                       |
| <b>General Specifications</b>             |                                           |
| Operating Temperature                     | 0°C~55°C                                  |
| Range Storage Temperature                 | -15°C~60°C                                |
| Net Weight(KG)                            | 23.7KG                                    |
| Product Dimension (D*W*H)                 | 607×406×141MM                             |
| Package Dimension (D*W*H)                 | 712×582×259MM                             |