



ON GRID THREE PHASE SOLAR INVERTER

PRODUCT KEY FEATURES

- 👑 Ongrid three phase MPPT based inverter
- 👑 AC grid frequency: 50Hz / 60Hz
- 👑 High efficiency: up to 98.6%
- 👑 IP66 protection
- 👑 DC switch, anti-islanding & over current protection
- 👑 Wi-fi / 4G plug optional
- 👑 Max. PV voltage up to 1100
- 👑 Compatible with all major types of PV panels
- 👑 Type II DC / AC SPD

Technical Data

| | |
|-------------------------------------|---|
| MODEL | VMGI-5KW |
| RATED POWER | 5000VA/5000W |
| INPUT (DC) | |
| Max. DC voltage | 1100V |
| Nominal voltage | 650V |
| Start voltage | 250V |
| MPPT voltage range | 140V ~ 1000V |
| Number of MPPT | 2 |
| Strings per MPPT | 1 |
| Max. input current per MPPT | 15A |
| Max. short-circuit current per MPPT | 20A |
| OUTPUT (AC) | |
| Nominal AC output power | 5000W |
| Max. AC output power | 5500VA |
| Nominal AC voltage | 400 / 230 V, 3P + N - PPE |
| AC grid frequency range | 50 / 60 Hz (± 5Hz) |
| Max. output current | 8.0A |
| Power factor | 0.8 leading - 0.8 lagging |
| THDI | 3% |
| EFFICIENCY | |
| Max. efficiency | 98.4% |
| Euro efficiency | 97.5% |
| PROTECTION DEVICES | |
| DC switch | Yes |
| Output over current protection | Yes |
| Anti-islanding protection | Yes |
| DC reverse polarity protection | Yes |
| String fault detection | Yes |
| DC / AC surge protection | DC type II; AC type III; type II optional |
| Insulation detection | Yes |
| AC short circuit protection | Yes |
| GENERAL SPECIFICATION | |
| Dimensions, W*H*D (mm) | 380*483*161 |
| Display | LCD |
| Operating temperature range | -25°C ~ +60°C |
| Cooling type | Natural cooling |
| Max. operating altitude | 4000 m |
| Max. operating humidity | 0 - 100% (non-condensing) |
| AC output terminal type | Connector |
| IP class | IP66 |
| Topology | Transformerless |
| Communication | RS-485 / Wi-fi / 4G |

