



**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**

<b>MODEL</b>	<b>VMGI-4KW</b>
<b>RATED POWER</b>	<b>4000VA/4000W</b>
<b>INPUT (DC)</b>	
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
<b>OUTPUT (AC)</b>	
Nominal AC output power	4000W
Max. AC output power	4400VA
Nominal AC voltage	400 / 230 V, 3P + N - PPE
AC grid frequency range	50 / 60 Hz (± 5Hz)
Max. output current	6.4A
Power factor	0.8 leading - 0.8 lagging
THDI	3%
<b>EFFICIENCY</b>	
Max. efficiency	98.4%
Euro efficiency	97.5%
<b>PROTECTION DEVICES</b>	
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
<b>GENERAL SPECIFICATION</b>	
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

