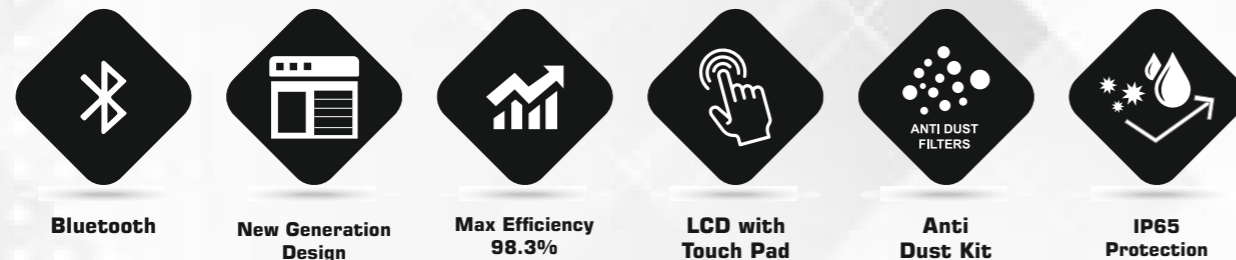




**ONGRID SINGLE PHASE SOLAR INVERTER**

**PRODUCT KEY FEATURES**

- 👑 Ongrid single phase MPPT based inverter
- 👑 AC grid frequency: 50Hz / 60Hz
- 👑 High efficiency: up to 98.3%
- 👑 IP65 protection
- 👑 DC switch, anti-islanding & over current protection
- 👑 Wi-fi / 4G plug optional
- 👑 Max. PV voltage: 600V max
- 👑 Compatible with all major types of PV panels
- 👑 Type III DC SPD / Type III AC SPD



**Technical Data**

<b>MODEL</b>	<b>VMGI-5KW-SP</b>
<b>RATED POWER</b>	<b>5000VA/5000W</b>
<b>INPUT (DC)</b>	
Max. DC voltage	600V
Nominal voltage	380V
Start voltage	120V
MPPT voltage range	80V ~ 560V
Number of MPPT	2
Strings per MPPT	1
Max. input current per MPPT	15A
Max. short-circuit current Per MPPT	18A
<b>OUTPUT (AC)</b>	
Nominal AC output power	5000W
Max. AC apparent power	5500VA
Nominal AC voltage	230V L-N
AC grid frequency range	50Hz / 60Hz ± 5Hz
Max. output current	24A
Power factor	0.8 leading - 0.8 lagging
THDI	< 3%
<b>EFFICIENCY</b>	
Max. efficiency	98.3%
Euro efficiency	97.9%
<b>PROTECTION DEVICES</b>	
DC switch	Yes
Anti-islanding protection	Yes
Output over current protection	Yes
DC reverse polarity protection	Yes
DC / AC surge protection	DC type III; AC type III
Insulation detection	Yes
AC short circuit protection	Yes
<b>GENERAL SPECIFICATION</b>	
Dimensions W*H*D (mm)	380*380*150
Weight (Kgs)	11
Operating temperature range	-25°C ~ +60°C
Cooling type	Natural convection
Max. operating altitude	4000 m
Max. operating humidity	100%
AC output terminal type	Quick connector
IP class	IP65
Topology	Transformer-less
Communication	RS-485 / Wi-fi / 4G
Display	LCD / Bluetooth + App