



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

MODEL	VMGI-4KW-SP
RATED POWER	4000VA/4000W
INPUT (DC)	
Max. DC voltage	600V
Nominal voltage	380V
Start voltage	120V
MPPT voltage range	80 V ~ 560V
Number of MPPT	2
Strings per MPPT	1
Max. input current per MPPT	15A
Max. short-circuit current Per MPPT	18A
OUTPUT (AC)	
Nominal AC output power	4000W
Max. AC apparent power	4400VA
Nominal AC voltage	230V L-N
AC grid frequency range	50Hz / 60Hz ± 5Hz
Max. output current	19A
Power factor	0.8 leading - 0.8 lagging
THDI	< 3%
EFFICIENCY	
Max. efficiency	98.3%
Euro efficiency	97.9%
PROTECTION DEVICES	
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
GENERAL SPECIFICATION	
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