

Three Phase On-Grid Inverter



3KW-12KW



On-Grid Three Phase
MPPT Inverter



IP66 Protection



Max. PV Voltage: 1100V



AC Grid Frequency:
50Hz / 60Hz



DC Switch, Anti-Islanding
& Over Current Protection



Type II DC SPD / Type III
AC SPD (Type II Optional)



High Efficiency: up to
98.6%



Wi-Fi / 4G Plug
Optional



LCD with Touch Pad



MODEL NAME	VMGI-3KW	VMGI-4KW	VMGI-5KW	VMGI-6KW	VMGI-8KW	VMGI-10KW	VMGI-12KW
RATED POWER	3000VA/3000W	4000VA/4000W	5000VA/5000W	6000VA/6000W	8000VA/8000W	10000VA/10000W	12000VA/12000W
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	3000W	4000W	5000W	6000W	8000W	10000W	12000W
Max. AC output power	3300VA	4400VA	5500VA	6600VA	8800VA	11000VA	13200VA
Nominal AC voltage	400 / 230 V, 3P + N - PPE						
AC grid frequency range	50 / 60 Hz (± 5Hz)						
Max. output current	4.8A	6.4A	8.0A	9.6A	12.8A	16.0A	19.2A
Power factor	0.8 leading - 0.8 lagging						
THDI	3%						
EFFICIENCY							
Max. efficiency	98.4%	98.4%	98.4%	98.4%	98.6%	98.6%	98.6%
Euro efficiency	97.5%	97.5%	97.5%	97.5%	98.0%	98.1%	98.1%
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						