

Three Phase On-Grid Inverter



30KW-40KW



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-30KW	VMGI-40KW
RATED POWER	30000VA/30000W	40000VA/40000W
INPUT(DC)		
Recommended Max. PV array input power @ STC	39KW	52KW
Max. DC voltage	1100V	
Nominal voltage	650V	
Start voltage	250V	
MPPT voltage range	200V ~ 1000V	
Number of MPPT tracker	3	
Strings per MPPT tracker	2	
Max. input current per MPPT	30A	
Max. short-circuit current per MPPT	40A	
OUTPUT (AC)		
Nominal AC output power	30000W	40000W
Max. AC output power	33000VA	44000VA
Nominal AC voltage	230/400V, 3P+N+PE	
AC grid frequency range	50 / 60Hz (±5Hz)	
Max. output current	47.8A	63.8A
Power factor	0.8leading - 0.8lagging	
THDI	3%	
EFFICIENCY		
Max. efficiency	98.7%	
Euro efficiency	98.4%	
PROTECTION DEVICES		
DC switch	Yes	
Output over current	Yes	
Anti-islanding protection	Yes	
DC reverse polarity protection	Yes	
String fault detection	Optional	
DC/AC surge protection	DC: type II/AC: type III / II optional	
Insulation detection	Yes	
AC short circuit protection	Yes	
GENERAL SPECIFICATION		
Dimensions, W*H*D (mm)	380*483*223	380*483*227
Weight (Kgs)	25.5	32.5
Operating temperature range	- 25°C ~ +60°C	
Cooling type	Fan cooling	
Max. operation altitude	4000m	
Max. operation humidity	0-100% (non-condensing)	
AC output terminal type	Connector	
IP class	IP66	
Topology	Transformerless	
Communication	RS485/Wi-fi/4G	
Display	LCD	