

Three Phase On-Grid Inverter

VOL/MORE 50KW-80KW
Ultimate Technology Provider



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
Reactive Power Control



LCD With Touch Pad



MODEL NAME	VMGI-50KW	VMGI-60KW	VMGI-70KW	VMGI-80KW
RATED POWER	50000VA/50000W	60000VA/60000W	70000VA/70000W	80000VA/80000W
INPUT (DC)				
Max. DC voltage	1100V	1100V	1100V	1100V
Nominal voltage	650V	650V	650V	650V
Start voltage	250V	250V	250V	250V
MPPT voltage range	200 V~1000V	200 V~1000V	200 V~1000V	200 V~1000V
Number of MPPT	4	4	4	4
Strings per MPPT	2	2	3	3
Max. input current per MPPT	32A	32A	45A	45A
Max. short-circuit current per MPPT	48A	48A	60A	60A
OUTPUT(AC)				
Nominal AC output power	50000W	60000W	70000W	80000W
Max. AC output power	55000VA	66000VA	77000VA	88000VA
Nominal AC voltage	400V 3L+N+PE			
AC grid frequency range	50Hz / 60Hz (±5Hz)			
Max. output current	79.7A	95.6A	111.6A	127.5A
Power factor	0.8leading - 0.8lagging			
THDI	3%			
EFFICIENCY				
Max. efficiency	98.5%	98.5%	98.6%	98.6%
Euro efficiency	98.2%	98.2%	98.3%	98.3%
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	Type II			
Residual current monitoring	Yes			
AC short circuit protection	Yes			
GENERAL SPECIFICATION				
Dimensions, W*H*D (mm)	515*585*287			
Weight (Kgs)	51	55		
Operating temperature range	-25°C ~ +60°C			
Cooling type	Fan cooling			
Max. operating altitude	4000m			
Max. operating humidity	0-100%(no condensation)			
AC output terminal type	OT terminal			
IP class	IP66			
Topology	Transformer-less			
Communication	RS485/Wi-fi/4G			
Display	LCD			