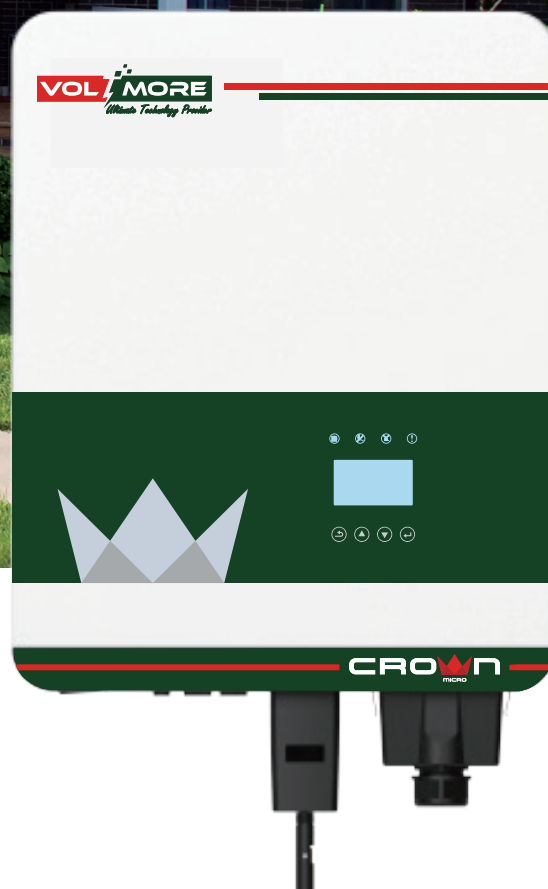


VMGI-12KW

Three Phase / On-grid / 12 kW



PV On-Grid String Inverter



Max. PV voltage up to 1100V
Type II DC /AC SPD



Compatible for Big Capacity PV Panel
WiFi / 4G Plug optional



DC/AC ratio up to 2
IP66 protection



High efficiency up to 98.6%
Smaller and lighter

MODEL	VMGI-12KW
Input(DC)	
Max. DC Voltage	1100V
Nominal Voltage	650V
Start Voltage ¹⁾	250V
MPPT Voltage Range	140V-1000V
Number of MPPT Tracker	2
Strings Per MPPT Tracker	1
Max. Input Current Per MPPT	15A
Max. Short-circuit Current Per MPPT	20A
Output(AC)	
Nominal AC Output Power	12000W
Maximum AC Output Power	13200VA
Nominal AC Voltage	400 3L+(N)
AC Grid Frequency Range	50Hz/60Hz±5Hz
Maximum Output Current	19.2A
Power Factor(Φ)	
THDi	
Efficiency	
Max. Efficiency	98.6%
Euro Efficiency	98.1%
Protection devices	
DC Switch	Yes
Output Over Current	Yes
Anti-islanding Protection	Yes
DC Reverse Polarity Protection	Yes
String Fault Detection	Yes
AC/DC Surge Protection	DC: Type II / AC: Type III / Type II Optional
Insulation Detection	Yes
AC Short Circuit Protection	Yes
General Specifications	
Dimensions W x H x D	380x483x161mm
Weight	< 17kg
Operating Temperature Range	-25°C~+60°C
Cooling Type	Natural Cooling
Max. Operation Altitude	4000m
Max. Operation Humidity	0-100%(No Condensation)
AC Output Terminal Type	Connector
IP Class	IP66
Topology	Transformer-less
Communication	RS485/Wifi/4G
Display	LCD
Certification & Standard	EN/IEC 62109-1/2; IEC/EN 61000-6-2; IEC/EN6 1000-6-4; IEC 61683; IEC 60068; IEC60529; IEC 62116; IEC 61727; EN 50549-1; VDE-AR-N-4105; VDE 0126-1-1; CEI 0-21;G98/G99 ; C10/11; NB/T 32004-2018 ; GB/T 19964-2012

1) Minimum voltage for inverter to start power output.