



IVGM-10048

APPEARANCE



SIDE VIEW



FRONT VIEW



45° ANGLED VIEW

FEATURE

-  Support Wi-Fi for mobile monitoring
-  Max. charging/discharging current of 200A
-  Support storing energy from diesel generator
-  48V low voltage battery, transformer isolation topology
-  DC couple and AC couple to retrofit existing solar system
-  **20** Power supply can be switched automatically and switching time within 20ms
-  Support three phase imbalance

Model	IVGM10048
Battery Input Data	
Battery Voltage Range	40V~60V
Max.charging and discharging current	200A/200A
Max.charging and discharging power	10000W
Battery type	Li-Ion /Lead-acid
DC Input Data (PV side)	
Max. recommended PV power	13000W
Max. PV voltage	900V
Start voltage	160V
PV voltage range	160V~900V
MPPT voltage range	200V~850V
Nominal voltage	720V
Max. input current	15A/15A
Max. shorted current	18A/18A
No. of MPP Trackers	2
No. of Strings Per MPP Tracker	2+1
Grid Data	
Nominal Input Voltage	230Vac/400Vac
Input Voltage Range	184V~264.5V per phase*
Nominal grid frequency	50/60Hz*
Max. input current	30A per phase
Max. Charge Current	200A
Max. AC output power	10000W
AC Output Rated Current (A)	14.5A per phase
Max. output current	18A per phase
Power factor	>0.99
Displacement power factor	0.8leading~0.8lagging
THDI	<3%
AC Output Data(Back Up)	
Rated output power	10000VA/10000W
Max. Output current	30A per phase
Rated AC output voltage	230Vac per phase
Rated AC output frequency	50/60Hz
Efficiency	
Max. efficiency	97.6%
Euro efficiency	97.0%
MPPT efficiency	99.9%
Protection	
Output over current protection	Integrated
Output over power protection	Integrated
Output shorted protection	Integrated
Anti-islanding protection	Integrated
GFCI Protection	Integrated
Insulation Resistor Detection	Integrated
General Data	
Operating temperature range	-25°C~60°C,>45°C Derating
Protection degree	IP65
Relative humidity	100%
Cooling concept	Smart cooling
Altitude	2000m
Communication	RS232/RS485
BMS Communication	CAN/RS485
Monitor module	Wi-Fi/GPRS
Display	LCD+LED
Installation Style	Wall-mounted
Warranty	5 years
Grid Regulation	VDE-AR-N 4105; G99/1; EN50549-1; CEI 0-21; AS 4777.2; NRS 097-2-1;
Safety Regulation	IEC 62109-1/2, IEC 62040-1
EMC	EN61000-6-1, EN61000-6-3

* According to local grid-connected standards