



IVGM

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
-  Power supply can be switched automatically and switching time within 20ms
-  Support three phase imbalance



IVGM5048



IVGM10048



IVGM100600

Model	IVGM100600	IVGM10048	IVGM5048
Battery Input Data			
Battery Voltage Range	180V~580V	40V~60V	40V~60V
Max. charging and discharging current	25A	200A/200A	100A/100A
Max. charging and discharging power	10000W	10000W	5000W
Battery type	Li-Ion /Lead-acid	Li-Ion /Lead-acid	Li-Ion /Lead-acid
DC Input Data (PV side)			
Max. recommended PV power	13000W	13000W	6500W
Max. PV voltage	900V	900V	550V
Start voltage	160V	160V	130V
PV voltage range	160V~900V	160V~900V	120V~550V
MPPT voltage range	200V~850V	200V~850V	150V~500V
Nominal voltage	720V	720V	360V
Max. input current	15A/15A	15A/15A	15A/15A
Max. short circuit current	18A/18A	18A/18A	18A/18A
No. of MPP Trackers	/	2	/
No. of Strings Per MPP Tracker	/	2+1	/
Number of MPP trackers / strings per MPP	2/1	/	2/1
Grid Data			
Nominal Input Voltage	230Vac/400Vac	230Vac/400Vac	230Vac
Input Voltage Range	184V~264.5V per phase*		184V~264.5Vac*
Nominal grid frequency	50/60Hz*	50/60Hz*	50/60Hz*
Max. input current	30A per phase	30A per phase	40A
Max. Charge Current	25A	200A	100A
Max. AC output power	10000W	10000W	5000W
AC Output Rated Current	14.5A per phase	14.5A per phase	24.5A
Max. output current	18A per phase	18A per phase	/
Power factor	>0.99	>0.99	>0.99
Displacement power factor	0.8leading...0.8lagging	0.8leading...0.8lagging	0.8leading...0.8lagging
THDI	<3%	<3%	<3%
AC Output Data(Back Up)			
Rated output power	10000VA/10000W	10000VA/10000W	5000VA/5000W
Max. Output current	30A per phase	30A per phase	40A
Rated AC output voltage	230Vac per phase	230Vac per phase	230Vac
Rated AC output frequency	50/60Hz	50/60Hz	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	Nature	Smart cooling	Nature
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