Felicitysolar®
Make life full of hope

IVGM-SERIES

Model	IVGM100600-HT
Battery Input Data	
Battery Voltage Range	180V~580V
Max. charging and discharging current	25A
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
MPPT Voltage Range for Full Load	450V~850V
Nominal voltage	720V
Max. input current	15A/15A
Max. shorted curent	18A/18A
Number of MPP trackers / 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	25A
Max. AC output power	10000W
AC Output Rated Current	14.5A per phase
Max. output current	18A per phase
Max. Continuous AC Passthrough	30A 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℃ Derating
Protection degree	IP65
Relative humidity	100%
Cooling concept	Nature
Altitude	2000m
Communication	RS232/RS485
BMS Communication	CAN/RS485
Monitor module	Wi-Fi/GPRS
Display	LCD+LED
Installation Style	Wall-mounted
Warranty	10 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
Net Weight	36.2KG
Gross Weight	41.5KG
Product Dimension	533*431*213MM
Package Dimension	635*533*321MM

* According to local grid-connected standards