



HYBRID SOLAR INVERTER IVGM SERIES

Features

-  Max. charging/discharging current of 25A
-  Support three phase imbalance
-  Support **Wi-Fi** for mobile monitoring
-  AC couple to retrofit existing solar system
-  Support storing energy from diesel generator
-  Power supply can be switched automatically and switching time within 20ms

Model	IVGM60600-HT	IVGM80600-HT	IVGM100600-HT
Battery Input Data			
Battery Voltage Range	180V~580V		
Max. charging and discharging current	25A		
Max. charging and discharging power	6000W	8000W	10000W
Battery type	Li-Ion /Lead-acid		
DC Input Data (PV side)			
Max. recommended PV power	7800W	10400W	13000W
Max. PV voltage	900V		
Start voltage	160V		
PV voltage range	160V~900V		
MPPT voltage range	200V~850V		
MPPT Voltage Range for Full Load	260V~850V	350V~850V	450V~850V
Nominal voltage	720V		
Max. input current	15A/15A		
Max. shorted current	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	6000W	8000W	10000W
AC Output Rated Current	8.7A per phase	11.6A per phase	14.5A per phase
Max. output current	11.0A per phase	14.5A per phase	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	6000VA/6000W	8000VA/8000W	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	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		

* According to local grid-connected standards