



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℃~60℃,>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			

* According to local grid-connected standards