Single Phase On-Grid Inverter

VOLTMORE Ultimate Technology Provider

3.6KW-8KW



On-Grid Single Phase MPPT Inverter	IP66 Protection	Max. PV Voltage: 600V
AC Grid Frequency: 50Hz / 60Hz	DC Switch, Anti-Islanding & Over Current Protection	Type II & III DC / AC SPD
High Efficiency: Up To 98.3%	Wi-Fi / 4G Plug Optional	LCD With Touch Pad



MODEL NAME	VMGI-3.6KW-SP	VMGI-4KW-SP	VMGI-5KW-SP	VMGI-6KW-SP	VMGI-8KW-SP
RATED POWER	3600VA/3600W	4000VA/4000W	5000VA/5000W	6000VA/6000W	8000VA/8000W
INPUT (DC)					
Max. DC voltage	600V				
Nominal voltage	380V				
Start voltage	120V	120V	120V	120V	100V
MPPT voltage range	80V ~ 560V	80 V ~ 560V	80V ~ 560V	80V ~ 560V	80V ~ 540V
Number of MPPT	2				
Strings per MPPT	1				
Max. input current per MPPT	15A	15A	15A	15A	26A / 16A
Max. short-circuit current Per MPPT	18A	18A	18A	18A	31A/ 19A
OUTPUT (AC)					
Nominal AC output power	3600W	4000W	5000W	6000W	8000W
Max. AC apparent power	3960VA	4400VA	5500VA	6000VA	8000VA
Nominal AC voltage	230V L-N				
AC grid frequency range	50Hz / 60Hz ± 5Hz				
Max. output current	17A	19A	24A	26A	35A
Power factor	0.8 leading - 0.8 lagging				
THDI	< 3%				
EFFICIENCY					
Max. efficiency	98.1%	98.3%	98.3%	98.3%	98.3%
Euro efficiency	97.7%	97.9%	97.9%	97.9%	97.9%
PROTECTION DEVICES					
DC switch	Yes				
Anti-islanding protection	Yes				
Output over current protection	Yes				
DC reverse polarity protection	Yes				
DC / AC surge protection	DC type II-III ; AC type II III				
Insulation detection	Yes				
AC short circuit protection	Yes				
GENERAL SPECIFICATION					
Dimensions W*H*D (mm)	380*380*150				
Weight (Kgs)	10	11	11	11	13
Operating temperature range	-25°C ~ +60°C				
Cooling type	Natural convection				Fan cooling
Max. operating altitude	4000 m				
Max. operating humidity	100%				
AC output terminal type	Quick connector				
IP class	IP65				
Topology	Transformer-less				
Communication	RS-485 / Wi-fi / 4G				
Display	LCD / Bluetooth + App				