

# Three Phase On-Grid Inverter



**15KW-25KW**



On-Grid Three phase  
MPPT Inverter



IP66 Protection



Max. PV Voltage: 1100V



AC Grid Frequency:  
50Hz / 60Hz



DC Switch, Anti-Islanding  
& Over Current Protection



Type II DC SPD / Type III  
AC SPD (Type II Optional)



High Efficiency: Up to  
98.6%



Wi-Fi / 4G Plug Optional



LCD With Touch Pad



<b>MODEL NAME</b>	<b>VMGI-15KW</b>	<b>VMGI-20KW</b>	<b>VMGI-25KW</b>
<b>RATED POWER</b>	<b>15000VA/15000W</b>	<b>20000VA/20000W</b>	<b>25000VA/25000W</b>
<b>INPUT(DC)</b>			
Max. DC voltage	1100V	1100V	1100V
Nominal voltage	650V	650V	650V
Start voltage	250V	250V	250V
MPPT voltage range	140V ~ 1000V	140V ~ 1000V	140V ~ 1000V
Number of MPPT tracker	2	2	2
Strings per MPPT tracker	2/1	2	2
Max. input current per MPPT	30A/15A	30A	30A
Max. short-circuit current per MPPT	40A/20A	40A	40A
<b>OUTPUT(AC)</b>			
Nominal AC output power	15000W	20000W	25000W
Max. AC output power	16500VA	22000VA	27500VA
Nominal AC voltage	400V 3L+ N		
AC grid frequency range	50Hz / 60Hz		
Max. output current	23.9A	31.9A	39.9A
Power factor	0.8leading - 0.8lagging		
THDI	3%		
<b>EFFICIENCY</b>			
Max. efficiency	98.6%	98.6%	98.6%
Euro efficiency	98.2%	98.3%	98.3%
<b>PROTECTION DEVICES</b>			
DC switch	Yes		
Output over current	Yes		
Anti-islanding protection	Yes		
DC reverse polarity protection	Yes		
String fault detection	Yes		
AC/DC surge protection	DC: type II / AC: type III / type II optional		
Insulation detection	Yes		
AC short circuit protection	Yes		
<b>GENERAL SPECIFICATION</b>			
Dimensions, W*H*D (mm)	380*483*193		
Weight (Kgs)	20.7		
Operating temperature range	-25°C ~ +60°C		
Cooling type	Fan cooling		
Max. operation altitude	4000m		
Max. operation humidity	0-100% (non-condensing)		
AC output terminal type	Connector		
IP class	IP66		
Topology	Transformer-less		
Communication	RS485/Wi-fi/4G		
Display	LCD		