



5kW

Single Phase On-Grid Solar Inverter

05 YEAR
WARRANTY



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CE RoHS

LISTING DETAILS

Model No:	VT-6607005
SKU Code:	11832
EAN Code:	3800170210257

PV INPUT DATA

Max. DC Power (W)	7000
Max. DC Voltage (V)	600
MPPT Voltage Range (V)	70-550
MPPT Full Power Voltage Range (V)	180-550
Rated Input Voltage (V)	360
Start-up Voltage (V)	70
Max. Input Current (A)	14 x 2
Max. Short Current (A)	18 x 2
No. of MPP Tracker	2
No. of PV String	2
Input Connector Type	MC4

CERTIFICATIONS AND STANDARDS

EMC Standard	EN/IEC 61000-6-2, EN/IEC 61000-6-3, EN61000-3-2, EN61000-3-3, EN61000-3-11, EN61000-3-12
Safety Standard	IEC 60068, UL1741, EN62109
Grid-connection	IEEE1547, CSA C22, EN50549, VDE4105, VDE0126, RD1699, ABNT NBR16149 & 16150, AS4777.2, NB/T32004, G98/G99, IEC61727

ENA Type Test : <https://connect-direct.energynetworks.org/device-databases/generation-device/AFORE%2F12838%2FV1>
 ENA Device Reference : AFORE/12838/V1

EFFICIENCY

Max. Efficiency	98.20%
Euro Efficiency	97.90%

AC OUTPUT DATA

Max. Output Power (W)	5500
Nominal Output Power (W)	5000
Max. Output Current (A)	24
Nominal Output Voltage (V)	L/N/PE, 220Vac, 230Vac, 240Vac
Grid Voltage Range	180Vac-276Vac (According to local standard)
Nominal Output Frequency (Hz)	50/60
Grid Frequency Range	45~55Hz/54~66Hz (According to local standard)
Output Power Factor	1 default (adjustable from 0.8 leading to 0.8 lagging)
Output Current THD	<3%

GENERAL DATA

Dimensions (W x H x D, mm)	358 x 360 x 142
Weight (kg)	10KG
Protection Degree	IP65
Enclosure Material	Aluminum
Ambient Temperature Range	-25~+60
Humidity Range	0-100%
Topology	Transformerless
Cooling Concept	Convection
Noise Emission (db)	<28
Night Power Consumption (W)	<1
Max. Operation Altitude (m)	4000
Communication Interface	RS485 / WiFi / Wire Ethernet / GPRS (optional)

PROTECTION

PV Reverse Polarity Protection	YES
PV Insulation Resistance Detection	YES
AC Short Circuit Protection	YES
AC Over Current Protection	YES
AC Over Voltage Protection	YES
Anti-Islanding Protection	YES
Residual Current Detection	YES
Over Temperature Protection	YES
Integrated DC switch	YES
Surge Protection	Integrated (Type III)
Smart IV Curve Scanning	YES
Quick Arc Fault Circuit Interruption	Optional