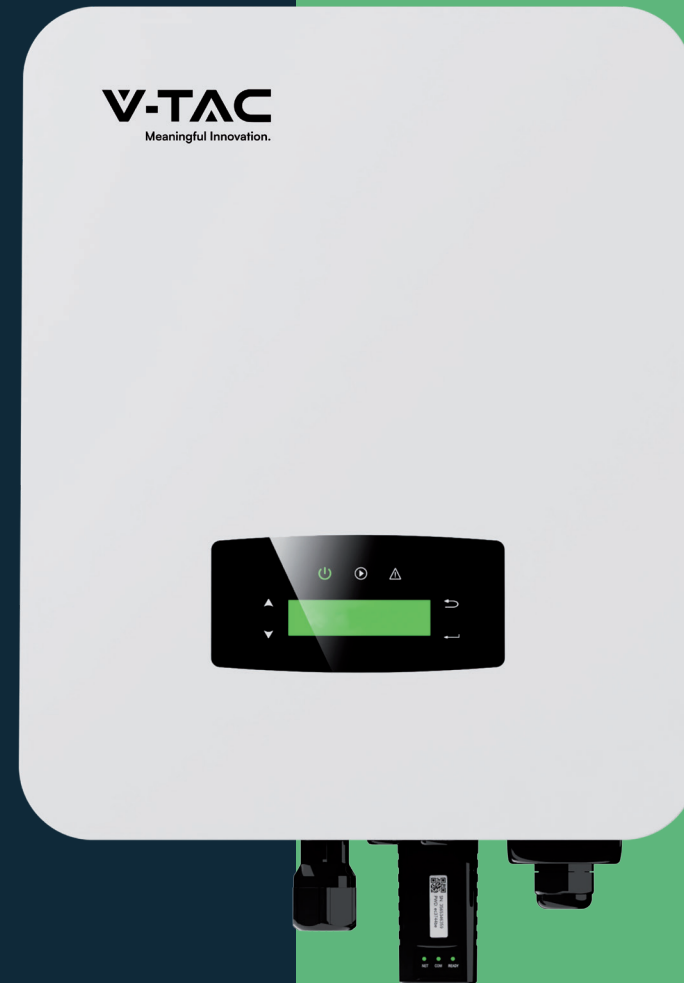


**V-TAC**  
Meaningful Innovation.

**5kW**

**Single Phase  
Hybrid Solar Inverter**

**05** YEAR  
WARRANTY



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**CE** **RoHS**

## LISTING DETAILS

Model No:	<b>VT-6607105</b>
SKU Code:	<b>11819</b>
EAN Code:	<b>380017020286</b>

## PV INPUT

Max. Input Power(kW)	<b>7.5</b>
Max. PV Voltage(V)	<b>550</b>
MPPT Range(V)	<b>80-500</b>
full MPPT Range(V)	<b>150-500</b>
Normal Voltage(V)	<b>360</b>
Startup Voltage(V)	<b>100</b>
Max. Input Current(A)	<b>18.5*2</b>
Max. Short Current(A)	<b>26*2</b>
No. of MPP Tracker	<b>2</b>
No. of PV String	<b>2</b>

## BATTERY PORT

Battery Type	<b>Li-ion / Lead-acid etc.</b>
Battery Voltage Range(V)	<b>40-60</b>
Battery Normal Voltage(V)	<b>51.2</b>
Max. Charge/Discharge Current(A)	<b>80</b>
Max. Charge/Discharge Power(kW)	<b>4.8</b>

## EFFICIENCY

CEC Efficiency(%)	<b>97</b>
Max. Efficiency(%)	<b>97.6</b>
PV to Bat. Efficiency(%)	<b>98.1</b>
Bat. between AC Efficiency(%)	<b>96.8</b>

## AC LOAD OUTPUT

Nominal AC Voltage L-N(V)	<b>220 / 230</b>
Nominal AC Frequency(Hz)	<b>50 / 60</b>
Nominal AC Current(A)	<b>22.8/21.8</b>
Max Continuous Current(A)	<b>23.0</b>
Max Continuous Power(kVA)	<b>5.0</b>
Max Peak Current(A)(10min)	<b>34.1/32.7</b>
Max Peak Power(kVA)(10min)	<b>7.5</b>
Switching Time(s)	<b>Seamless</b>
Voltage THD(%)	<b>&lt; 3</b>

## AC GRID

Nominal Grid Voltage(V)	<b>220 / 230</b>
Nominal Grid Frequency(Hz)	<b>50 / 60</b>
Nominal Grid Current(A)	<b>22.8/21.8</b>
Max Continuous Current(A)	<b>23.0</b>
Max Continuous Power(kVA)	<b>5.0</b>
Current THD(%)	<b>&lt; 3</b>
Power Factor	<b>0.999 (Adjustable from 0.8 overexcited to 0.8 underexcited)</b>

## GENERAL DATA

Dimensions (L x W x H, mm)	<b>513 x 370 x 192</b>
Weight (kg)	<b>17</b>
Topology	<b>Transformerless</b>
Cooling	<b>Intelligent Fan</b>
Relatively Humidity	<b>0 - 100 %</b>
Operating Temperature Range (°C)	<b>- 25 to 60</b>
Operating Altitude (m)	<b>&lt; 4000</b>
Noise Emission (dB)	<b>&lt; 25</b>
Standby Consumption (W)	<b>&lt; 10</b>
Mounting	<b>Wall Bracket</b>
Communication with RSD	<b>SUNSPEC</b>
Display & Communication Interfaces	<b>LCD, LED, RS485, CAN, Wi-Fi, GPRS, 4G</b>
Certification & Approvals	<b>NRS97, G98/G99, N50549-1, C10/C11, AS 4777, DE-AR-N4105, VDE0126, IEC62040, IEC62109-1, IEC62109-2IEC 60068, UL1741, EN62109</b>
EMC	<b>EN61000-6-2, EN61000-6-3</b>

## PROTECTION

PV Reverse Polarity Protection	<b>Yes</b>
Over Current/Voltage Protection	<b>Yes</b>
Anti-Islanding Protection	<b>Yes</b>
AC Short Circuit Protection	<b>Yes</b>
Residual Current Detection	<b>Yes</b>
Ground Fault Monitoring	<b>Yes</b>
Insulation Resister Detection	<b>Yes</b>
PV Arc Detection	<b>Yes</b>
Enclosure Protect Level	<b>IP65 / NEMA4X</b>

ENA Type Test : <https://www.ena-eng.org/gen-ttr/Index?Action=ViewDetail&EID=95852801&tab=search>  
 ENA Device Reference : **AFORZ/07998/V1/A3**