

# V-TAC

Meaningful Innovation.

## 3.6kW

## Single Phase On-Grid Solar Inverter

**05** YEAR  
WARRANTY



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CE RoHS

## LISTING DETAILS

Model No:	<b>VT-6607036</b>
SKU Code:	<b>11726</b>
EAN Code:	<b>3800170202702</b>

## PV INPUT

Max. DC Power ( W )	<b>5400</b>
Max. DC Voltage ( V )	<b>600</b>
MPPT Voltage Range ( V )	<b>70-550</b>
MPPT Full Power Voltage Range ( V )	<b>130-550</b>
Rated Input Voltage ( V )	<b>360</b>
Start-up Voltage ( V )	<b>70</b>
Max. Input Current ( A )	<b>14 x 2</b>
Max. Short Current ( A )	<b>18 x 2</b>
No. of MPP Tracker / No. of PV String	<b>2/2</b>
Input Connector Type	<b>MC4</b>

## CERTIFICATIONS AND STANDARDS

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

ENA Type Test : <https://www.ena-eng.org/gen-ttr/Index?Action=ViewDetail&EID=96974909&tab=search>  
 ENA Device Reference : V-TAC/10085/V1

## EFFICIENCY

Max. Efficiency	<b>98.20%</b>
Euro Efficiency	<b>97.82%</b>

## AC LOAD OUTPUT

Max. Output Power ( W )	<b>3960</b>
Nominal Output Power ( W )	<b>3600</b>
Max. Output Current ( A )	<b>17.5</b>
Nominal Output Voltage ( V )	<b>L/N/PE, 220Vac, 230Vac, 240Vac</b>
Grid Voltage Range	<b>180Vac-276Vac (According to local standard)</b>
Nominal Output Frequency ( Hz )	<b>50/60</b>
Grid Frequency Range	<b>45-55Hz/54-66Hz (According to local standard)</b>
Output Power Factor	<b>1 default (adjustable from 0.8 leading to 0.8 lagging)</b>
Output Current THD	<b>&lt;3%</b>

## GENERAL DATA

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

## PROTECTION

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