

# V-TAC

Meaningful Innovation.

## 5kW

## Single Phase On-Grid Solar Inverter

**05** YEAR  
WARRANTY



Zero export function  
(Optional)



External  
Inductor



Aluminum  
Enclosure



Natural cooling,  
low noise



IP65  
Rating

V-TAC.EU



VTACEXPORTS.COM



CE RoHS

## LISTING DETAILS

Model No:	<b>VT-6605105</b>
SKU Code:	<b>11370</b>
EAN Code:	<b>3800157689281</b>

## MASTER BOX PACKAGING

Qty Per Pallet:	<b>12 pcs</b>
Net Weight :	<b>18kg</b>
Product Size :	<b>360 x 462 x 150 mm</b>

## INPUT (DC)

Max. Input Power	<b>6kW</b>
Max. Input Voltage	<b>600V</b>
Start Voltage / Min. Operating Voltage	<b>120V / 100V</b>
MPPT Voltage Range	<b>120V-550V</b>
MPPT Rated Voltage	<b>360V</b>
Number of MPP Trackers / String per MPPT	<b>2/1</b>
Max. Current per MPPT	<b>15A</b>

## GENERAL DATA

Operating Temperature Range	<b>-25°C ~+60°C (derating above 45°C)</b>
Cooling Method	<b>Natural Cooling</b>
Protection Degree	<b>IP65</b>
Noise	<b>30dB</b>
Highest Altitude	<b>3000m (derating above 2000m)</b>
Relative Humidity	<b>0~95%</b>
Topology	<b>Transformerless</b>
Night Power Consumption	<b>&lt;1W</b>
Warranty	<b>5 years (standard)</b>

## COMMUNICATION

Display	<b>LED (optional) / LCD (standard)</b>	Max. Efficiency	<b>97.80%</b>
System Language	<b>English / Chinese / German / Dutch</b>	European Efficiency	<b>96.80%</b>
Communication	<b>Standard: RS485 Optional: WiFi / GPRS / Ethernet</b>	MPPT Efficiency	<b>99.90%</b>

## EFFICIENCY

## OUTPUT (AC)

Max. Output Current	<b>24A</b>
Rated AC Power	<b>5kW</b>
Rated Grid Frequency	<b>50Hz / 60Hz</b>
Rated Grid Voltage	<b>230V, L+N+PE</b>
Power Factor	<b>≥ 0.99 (at rated power)</b>
THDi	<b>&lt; 3% (at rated power)</b>

## PROTECTION

Protection	<b>DC switch, AC short-circuit protection, Over current protection, Over voltage protection, Isolation protection, RCD, Surge protection, Anti-islanding protection, Over-temperature protection, Ground fault monitoring, etc.</b>
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## STANDARD COMPLIANCE

Grid Connection Standards	<b>IEC 61727:2004, IEC62116:2014, IEC 60068-2-1:2007, IEC 60068-2-2:2007, IEC 60068-2-14:2009, IEC 60068-2-30:2005, IEC 61683:1999, DIN VDE 0126-1-1:2013, DIN VDE V 0124-100:2020, VDE-AR-N 4105:2018, G98:2019, C10/11:2019, AS/NZS 4777.2:2020, NB/T 32004-2018, PEA, ZVR</b>
Safety / EMC	<b>IEC/EN 62109-1:2010, IEC/EN 62109-2:2011, EN 61000-6-2:2019, EN 61000-6-3:2007/A1:2011</b>