

# V-TAC

Meaningful Innovation.

## 5kW

## Single Phase On-Grid Solar Inverter

## 10 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-6605110</b>    |
| SKU Code: | <b>11380</b>         |
| EAN Code: | <b>3800157689380</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>10 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<br/>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> |
|------------|---|

## 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> |
|--------------|---|