

V-TAC

Meaningful Innovation.

5kW

Three Phase On-Grid Solar Inverter

10 YEAR WARRANTY



Multi MPP trackers



160% DC Input
oversizing



Smart I-V curve
diagnosis supported



DC&AC type II SPD



Intelligent fault
detection



AFCI function
(Optional)



IP66
rating



V-TAC.EU



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CE RoHS

LISTING DETAILS

Model No: **VT-6605310**

SKU Code: **11381**

EAN Code: **3800157689397**

MASTER BOX PACKAGING

Net Weight : **12kg**

Product Size : **430 x 380 x 130 mm**

INPUT (DC)

Max. Input Power **8kW**

Max. Input Voltage **1100V**

Start Voltage **160V**

Rated Input Voltage **600V**

Full-load MPP Voltage Range **250V ~ 850V**

MPPT Voltage Range **140V ~ 1000V**

Number of MPP Trackers / String per MPPT **2 / 1**

Max. Current per MPPT **13A**

Max. Short Circuit Current per MPPT **16A**

GENERAL DATA

Operating Temperature Range **-25° C ~ +60° C**

Cooling Method **Natural**

Protection Degree **IP66**

Max. Operating Altitude **4000m**

Relative Humidity **0 ~ 100%**

Topology **Transformerless**

Night Power Consumption **<1W**

Warranty **10 years**

COMMUNICATION

Display **LED / LCD (Optional)**

Communication **Standard : RS485 / USB
Optional: WiFi / GPRS / Ethernet**

OUTPUT (AC)

Max. Output Current **8A**

Rated Output Power **5kW**

Max. Output Power **5.5kVA**

Rated Grid Frequency **50Hz / 60Hz**

Rated Grid Voltage **230Vac / 400Vac, 3L / N / PE**

Power Factor **>0.99 (0.8 leading~0.8 lagging)**

THDi **<3% (Rated Power)**

STANDARD COMPLIANCE

Grid Connection Standards **IEC 61727, IEC 62116, IEC 60068, IEC 61683, VDE-AR-N 4110:2018, VDE-AR-N 4105:2018, VDE-AR-N 4120:2018, EN 50549, AS/NZS 4777.2:2015, CEI 0-21, VDE 0126-1-1/A1 VFR 2014, UTE C15-712-1:2013, DEWA DRRG, NRS 097-2-1, MEA/PEA, C10/11, G98/G99**

Safety / EMC **IEC 62109-1:2010, IEC 62109-2:2011, EN 61000-6-2:2005, EN 61000-6-3:2007/A1:2011**

EFFICIENCY

Max. Efficiency **98.40%**

European Efficiency **98.30%**

MPPT Efficiency **99.90%**

PROTECTION

DC reverse polarity protection **Yes**

Anti-islanding protection **Yes**

AC short circuit protection **Yes**

Residual current monitoring unit **Yes**

Insulation resistance monitoring **Yes**

Ground fault monitoring **Yes**

Grid monitoring **Yes**

Surge protection **Type II**

AFCI protection **Optional**