

# 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



LED-EUROPE.PL



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)

## 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

## 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
--------------	--