

# V-TAC

Meaningful Innovation.

# 10kW

## 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



VTACEXPORTS.COM



CE RoHS

## LISTING DETAILS

Model No:	<b>VT-6610310</b>	Qty Per Pallet:	<b>12 pcs</b>
SKU Code:	<b>11383</b>	Net Weight :	<b>13.5kg</b>
EAN Code:	<b>3800157689410</b>	Product Size :	<b>430 x 380 x 150 mm</b>

## INPUT (DC)

Max. Input Power	<b>16kW</b>
Max. Input Voltage	<b>1100V</b>
Start Voltage	<b>160V</b>
Rated Input Voltage	<b>600V</b>
Full-load MPP Voltage Range	<b>450V ~ 850V</b>
MPPT Voltage Range	<b>140V ~ 1000V</b>
Number of MPP Trackers / String per MPPT	<b>2 / 1</b>
Max. Current per MPPT	<b>13A</b>
Max. Short Circuit Current per MPPT	<b>16A</b>

## GENERAL DATA

Operating Temperature Range	<b>-25° C ~ +60° C</b>
Cooling Method	<b>Natural</b>
Protection Degree	<b>IP66</b>
Max. Operating Altitude	<b>4000m</b>
Relative Humidity	<b>0 ~ 100%</b>
Topology	<b>Transformerless</b>
Night Power Consumption	<b>&lt;1W</b>
Warranty	<b>10 years</b>

## MASTER BOX PACKAGING

## COMMUNICATION

Display	<b>LED / LCD (Optional)</b>	Max. Efficiency	<b>98.70%</b>
Communication	<b>Standard : RS485 / USB Optional: WiFi / GPRS / Ethernet</b>	European Efficiency	<b>98.50%</b>
		MPPT Efficiency	<b>99.90%</b>

## OUTPUT (AC)

Max. Output Current	<b>15.9A</b>	DC reverse polarity protection	<b>Yes</b>
Rated Output Power	<b>10kW</b>	Anti-islanding protection	<b>Yes</b>
Max. Output Power	<b>11kVA</b>	AC short circuit protection	<b>Yes</b>
Rated Grid Frequency	<b>50Hz / 60Hz</b>	Residual current monitoring unit	<b>Yes</b>
Rated Grid Voltage	<b>230Vac / 400Vac, 3L / N / PE</b>	Insulation resistance monitoring	<b>Yes</b>
Power Factor	<b>&gt;0.99 (0.8 leading~0.8 lagging)</b>	Ground fault monitoring	<b>Yes</b>
THDi	<b>&lt;3% (Rated Power)</b>	Grid monitoring	<b>Yes</b>
		Surge protection	<b>Type II</b>
		AFCI protection	<b>Optional</b>

## EFFICIENCY

## PROTECTION

## STANDARD COMPLIANCE

Grid Connection Standards	<b>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</b>
Safety / EMC	<b>IEC 62109-1:2010, IEC 62109-2:2011, EN 61000-6-2:2005, EN 61000-6-3:2007/A1:2011</b>