

# V-TAC

Meaningful Innovation.

## 5kW

## Single Phase Hybrid Solar Inverter

05 YEAR  
WARRANTY



Lead-acid/ lithium  
Battery



Smart energy  
management



Battery reverse  
protection



Zero export  
function  
(Integrated)



IP66  
rating



V-TAC.EU

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VTACEXPORTS.COM

TUV NORD

CE RoHS

## LISTING DETAILS

Model No:	<b>VT-6607103</b>
SKU Code:	<b>11509</b>
EAN Code:	<b>3800157693325</b>

## MASTER BOX PACKAGING

Qty Per Pallet:	<b>6 pcs</b>
Net Weight :	<b>25kg</b>
Product Size :	<b>550 x 515 x 200 mm</b>

## COMMUNICATION

Display	<b>LCD</b>
Communication	<b>Standard: RS485 / CAN / DRM Optional: WIFI / 4G</b>

## INPUT (PV)

Max. PV Input Power	<b>7kW</b>
Max. PV Input Voltage	<b>550V</b>
MPP Voltage Range	<b>125V ~ 500V</b>
Max. PV Input Current	<b>14A</b>
Number of MPP Trackers	<b>2</b>
String per MPPT	<b>1</b>

## OUTPUT (AC)

Max. Output Current	<b>21.7A</b>
Rated Power	<b>5kVA</b>
Rated Voltage	<b>230V, L + N + PE</b>
Operating Voltage Range	<b>176V ~ 270V</b>
Frequency	<b>50Hz / 60Hz</b>
Power Factor	<b>0.8 lagging~0.8 leading</b>
THDi	<b>&lt;3%</b>

## OUTPUT (EPS)

Rated Power	<b>5kVA</b>
Rated Voltage	<b>230Vac</b>
Rated Current	<b>21.7A</b>
Rated Frequency	<b>50Hz / 60Hz</b>
Automatic Switching Time	<b>&lt;20ms</b>
Overload Capability	<b>110%, 30s / 120%, 10s / 150%, 0.02s</b>
THDu	<b>&lt;2%</b>

## GENERAL DATA







Operation Temperature	<b>-25°C~ +60°C</b>
Cooling Method	<b>Natural Cooling</b>
Protection Degree	<b>IP65</b>
Noise Emission	<b>&lt;35dB</b>
Max. Operating Altitude	<b>2000m</b>
Relative Humidity	<b>0 ~ 95% (non-condensing)</b>
Topology	<b>Transformerless</b>
Standby Power Consumption	<b>&lt;3W</b>

## BATTERY

Battery Voltage Range	<b>40V ~ 58V</b>
Max. Charging Voltage	<b>58V</b>
Charge / Discharge Current	<b>95A / 104.2A</b>
Battery Type	<b>Lithium / Lead-acid</b>
Communication	<b>RS485, CAN</b>

## EFFICIENCY

Max. DC Efficiency	<b>97.60%</b>
European Efficiency	<b>97.00%</b>
MPPT Efficiency	<b>99.90%</b>
Battery Charge / Discharge Efficiency	<b>95.00%</b>

-  Supports automatic battery switching
-  Support diesel generator input source
-  Compatible with lead-acid and lithium-ion batteries
-  Parallel available, intelligent BMS management
-  Input power source priority can be set by users
-  Battery reverse connection protection, anti-power control function

