

**V-TAC**  
Meaningful Innovation.

**6kW**

**Single Phase  
Hybrid Solar Inverter**

**05** YEAR  
WARRANTY



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**TUV NORD** **CE** **RoHS**

## LISTING DETAILS

Model No:	<b>VT-6607106</b>
SKU Code:	<b>11514</b>
EAN Code:	<b>3800157693448</b>

## MASTER BOX PACKAGING

Net Weight :	<b>17kg</b>
Product Size :	<b>513 x 370 x 192mm</b>

## EFFICIENCY

CEC Efficiency (%)	<b>97.0</b>
Max. Efficiency (%)	<b>97.6</b>
PV to Bat. Efficiency (%)	<b>98.1</b>
Bat. between AC Efficiency (%)	<b>96.8</b>

## GENERAL DATA

Topology	Transformerless
Cooling	Intelligent Fan
Relatively Humidity	0 - 100 %
Operating Temperature Range (°C)	- 25 to 60
Operating Altitude (m)	< 4000
Noise Emission (dB)	< 25
Standby Consumption (W)	< 10
Mounting	Wall Bracket
Communication with RSD	SUNSPEC
Display & Communication Interfaces	LCD, LED, RS485, CAN, Wi-Fi, GPRS, 4G
Certification & Approvals	NRS97, G98/G99, EN50549-1, C10/C11, AS 4777, VDE-AR-N4105, VDE0126, IEC62040, IEC62109-1, IEC62109-2
EMC	EN61000-6-2, EN61000-6-3

## PV INPUT

Max. Input Power (kW)	<b>9.0</b>
Max. PV Voltage (V)	<b>550</b>
MPPT Range (V)	<b>80 - 500</b>
Full MPPT Range (V)	<b>170 - 500</b>
Normal Voltage (V)	<b>360</b>
Startup Voltage (V)	<b>100</b>
Max. Input Current (A)	<b>18.5 x 2</b>
Max. Short Current (A)	<b>26 x 2</b>
No. of MPP Tracker / No. of PV String	<b>2 / 2</b>

## AC LOAD OUTPUT

Max Continuous Current (A)	<b>28.0</b>
Max Continuous Power (kVA)	<b>6.0</b>
Max Peak Current (A) (10min)	<b>41.0 / 39.2</b>
Max Peak Power (kVA) (10min)	<b>9.0</b>
Nominal AC Current (A)	<b>27.3 / 26.1</b>
Nominal AC Voltage L-N (V)	<b>220 / 230</b>
Nominal AC Frequency (Hz)	<b>50 / 60</b>
Switching Time (s)	<b>Seamless</b>
Voltage THD (%)	<b>&lt; 3</b>

## AC GRID

Max Continuous Current (A)	<b>28.0</b>
Max Continuous Power (kVA)	<b>6.0</b>
Nominal Grid Current(A)	<b>27.3 / 26.1</b>
Nominal Grid Voltage (V)	<b>198 to 242 @ 220 / 207 to 253 @ 230</b>
Nominal Grid Frequency (Hz)	<b>50 / 60</b>
Current THD (%)	<b>&lt; 3</b>
Power Factor	<b>0.999</b> (Adjustable from 0.8 overexcited to 0.8 underexcited)

## BATTERY PORT

Max. Charge/Discharge Power (kW)	<b>4.8</b>
Max. Charge/Discharge Current (A)	<b>80</b>
Battery Normal Voltage (V)	<b>51.2</b>
Battery Voltage Range (V)	<b>40 - 60</b>
Battery Type	<b>Li-ion / Lead-acid</b>

## PROTECTION

PV Reverse Polarity Protection	Yes
Over Current/Voltage Protection	Yes
Anti-Islanding Protection	Yes
AC Short Circuit Protection	Yes
Residual Current Detection	Yes
Ground Fault Monitoring	Yes
Insulation Resister Detection	Yes
PV Arc Detection	Yes
Enclosure Protect Level	IP65 / NEMA4X