

V-TAC

Meaningful Innovation.

6kW

Single Phase Hybrid Solar Inverter

05 YEAR
WARRANTY



V-TAC.EU | VTACEXPORTS.COM

TUV NORD

CE RoHS

LISTING DETAILS

Model No:	VT-6607106
SKU Code:	11511
EAN Code:	3800157693448

MASTER BOX PACKAGING

Net Weight :	17kg
Product Size :	513 x 370 x 192mm

EFFICIENCY

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

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

AC LOAD OUTPUT

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

AC GRID

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

BATTERY PORT

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

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