

V-TAC
Meaningful Innovation.

3kW

**Single Phase
On-Grid String Inverter**

05 YEAR
WARRANTY



V-TAC.EU | VTACEXPORTS.COM

CE RoHS

LISTING DETAILS

Model No:	SUN- 3K-GO4P1-EU-AM1
SKU Code:	11957
EAN Code:	3800170221499

PV INPUT DATA

Max. PV Input Power (kW)	3.9
Max. PV Input Voltage (V)	550
Start-up Voltage (V)	80
MPPT Voltage Range (V)	70-500
Rated PV Input Voltage (V)	360
Max. Operating PV Input Current (A)	20
Max. Input Short Circuit Current (A)	30
No. of MPP Trackers	1
No. of Strings per MPP Tracker	1

PROTECTION

DC Polarity Reverse Connection Protection	YES
AC Output Overcurrent Protection	YES
AC Output Overvoltage Protection	YES
Efficiency	YES
AC Output Short Circuit Protection	YES
Thermal Protection	YES
DC Terminal Insulation Impedance Monitoring	YES

EFFICIENCY

Max. Efficiency	97.5%
Euro Efficiency	97.0%
MPPT Efficiency	>99%

AC OUTPUT DATA

Rated AC Output Active Power (kW)	3
Max. AC Output Apparent Power (kVA)	3.3
Rated AC Output Current (A)	13.7/13.1
Max. AC Output Current (A)	15/14.4
Rated Output Voltage/Range (V)	220/230 0.85Un-1.1Un
Grid Connection Form	L/N/PE
Rated Output Grid Frequency/Range(Hz)	50/45-55, 60/55-65
Power Factor Adjustment Range	0.8 leading to 0.8 lagging
Total Current Harmonic Distortion THDi	<3%
DC Injection Current	<0.5%In

DC Component Monitoring	YES
Ground Fault Current Monitoring	YES
Power Network Monitoring	YES
Island Protection Monitoring	YES
Earth Fault Detection	YES
Overvoltage Load Drop Protection	YES
Residual Current (RCD) Detection	YES
Surge Protection Level	TYPE II(DC), TYPE II(AC)

GENERAL DATA

Operating Temperature Range (°C)	-25 to +65 , >45 Derating
Permissible Ambient Humidity	0-100%
Permissible Altitude (m)	2000m
Noise (dB)	≤35
Ingress Protection(IP) Rating	IP 65
Inverter Topology	Non-Isolated
Over Voltage Category	OVC II(DC), OVC III(AC)
Cabinet Size (WxHxD mm)	280×310×184 (Excluding Connectors and Brackets)
Weight (kg)	4.8
Warranty	5 Years
Type of Cooling	Natural Cooling
Grid Regulation	IEC 61727, IEC 62116, CEI 0-21, EN 50549, NRS 097, RD 140, UNE 217002, G98, G99, VDE-AR-N 4105
Safety EMC/Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2
Communication Interface	RS485/RS232 /WiFi/LAN