

# V-TAC

Meaningful Innovation.

# 30kW

## Three Phase String Inverter

# 05

YEAR  
WARRANTY



2 MPP trackers, Max.  
Efficiency up to 98.6%



Zero export application,  
VSG application



String intelligent  
monitoring (optional)



Wide output voltage range



Anti-PID function (Optional)



V-TAC.EU



VTACEXPORTS.COM



CE RoHS

## LISTING DETAILS

Model No:	<b>SUN-30K-G04</b>	Net Weight :	<b>23kg</b>
SKU Code:	<b>11812</b>	Product Size :	<b>362×577×215mm</b>
EAN Code:	<b>3800170207271</b>		

## MASTER BOX PACKAGING

## INPUT (DC)

Max. DC Input Power (kW)	<b>39</b>
Max. DC Input Voltage (V)	<b>1000</b>
Start-up DC Input Voltage (V)	<b>250</b>
MPPT Operating Range (V)	<b>200-850</b>
Max. DC Input Current (A)	<b>40+40</b>
Max. Short Circuit Current (A)	<b>60+60</b>
No.of MPP Trackers	<b>2</b>
No.of Strings per MPP Tracker	<b>3 +3</b>

## GENERAL DATA

Topology	<b>Transformerless</b>
Internal Consumption	<b>&lt;1W (Night)</b>
Running Temperature	<b>-25-65°C, &gt;45°C Derating</b>
Ingress Protection	<b>IP65</b>
Noise Emission (Typical)	<b>≤50 dB</b>
Cooling Concept	<b>Smart Cooling</b>
Permissible Altitude (m)	<b>2000</b>

## FEATURES

DC Connection	<b>MC-4 Mateable</b>
AC Connection	<b>IP65 Rated Plug</b>
Display	<b>LCD1602</b>
Interface	<b>RS485/RS232/Wifi/LAN</b>

## OUTPUT (AC)

Rated Output Power (kW)	<b>30</b>
Max. Active Power (kW)	<b>33</b>
Nominal Output Voltage / Range (V)	<b>3L/N/PE 220/380V, 230/400V</b>
Rated Grid Frequency (Hz)	<b>50 / 60 (Optional)</b>
Operating Phase	<b>Three Phase</b>
Rated AC Grid Output Current (A)	<b>45.5/43.5</b>
Max. AC Output Current (A)	<b>50/47.9</b>
Output Power Factor	<b>0.8 leading to 0.8 lagging</b>
Grid Current THD	<b>&lt;3%</b>
DC Injection Current (mA)	<b>&lt;0.5%</b>
Grid Frequency Range	<b>45~55 or 55~65 (Optional)</b>

## STANDARD COMPLIANCE

Grid Connection Standard	<b>VDE4105, IEC61727/62116, VDE0126, AS4777.2, CEI 0 21, EN50549-1, G98, G99, C10-11, UNE217002, NBR16149/NBR16150</b>
Safety EMC / Standard	<b>IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2</b>

## EFFICIENCY

Max. Efficiency	<b>98.60%</b>
European Efficiency	<b>97.80%</b>
MPPT Efficiency	<b>&gt;99%</b>

## PROTECTION

DC Reverse-Polarity Protection	<b>Yes</b>
AC Short Circuit Protection	<b>Yes</b>
AC Output Overcurrent Protection	<b>Yes</b>
Output Overvoltage Protection	<b>Yes</b>
Insulation Resistance Protection	<b>Yes</b>
Ground Fault Monitoring	<b>Yes</b>
Anti-islanding Protection	<b>Yes</b>
Temperature Protection	<b>Yes</b>
Integrated DC Switch	<b>Yes</b>
Remote Software Upload	<b>Yes</b>
Remote Change of Operating Parameters	<b>DC Type II AC Type II</b>