









# Three Phase String Inverter

SUN- 100 K-G03



-  Max. 6 MPP trackers, Max. efficiency up to 98.7%
-  Zero export application, VSG application
-  String intelligent monitoring (optional)
-  Wide output voltage range
-  Anti-PID function (Optional)
-  Type II DC/AC SPD
-  Build in AFCI
-  Rapid Shutdown system (Optional)

## Technical Data

Model	SUN-100K-G03
<b>Input Side</b>	
Max. DC Input Power (kW)	150
Max. DC Input Voltage (V)	1000
Start-up DC Input Voltage (V)	250
MPPT Operating Range (V)	200~850
Max. DC Input Current (A)	40+40+40+40+40+40
Max. Short Circuit Current (A)	60+60+60+60+60+60
Number of MPPT / Strings per MPPT	6/4
<b>Output Side</b>	
Rated Output Power (kW)	100
Max. Active Power (kW)	110
Nominal Output Voltage / Range (V)	3L/N/PE 380V/323V-418V, 400V/340V-440V
Rated Grid Frequency (Hz)	50 / 60 (Optional)
Operating Phase	Three phase
Rated AC Grid Output Current (A)	114.9
Max. AC Output Current (A)	159.4
Output Power Factor	>0.99
Grid Current THD	<3%
DC Injection Current (mA)	<0.5%
Grid Frequency Range	47~52 or 57~62 (Optional)
<b>Efficiency</b>	
Max. Efficiency	98.7%
Euro Efficiency	98.3%
MPPT Efficiency	>99%
<b>Protection</b>	
DC Reverse-Polarity Protection	Yes
AC Short Circuit Protection	Yes
AC Output Overcurrent Protection	Yes
Output Overvoltage Protection	Yes
Insulation Resistance Protection	Yes
Ground Fault Monitoring	Yes
Anti-islanding Protection	Yes
Temperature Protection	Yes
Integrated DC Switch	Yes
Remote software upload	Yes
Remote change of operating parameters	Yes
Surge protection	DC Type II / AC Type II
<b>General Data</b>	
Size (mm)	838Wx568Hx323D
Weight (kg)	73.7
Topology	Transformerless
Internal Consumption	<1W (Night)
Running Temperature	-25~65°C, >45°C derating
Ingress Protection	IP65
Noise Emission (Typical)	<55 dB
Cooling Concept	Smart cooling
Max. Operating Altitude Without Derating	2000m
Designed Lifetime	>20 years
Grid Connection Standard	CEI 0-21, VDE-AR-N 4105, NRS 097, IEC 62116, IEC 61727, G99, G98, VDE 0126-1-1, RD 1699, C10-11
Operating Surroundings Humidity	0-100%
Safety EMC / Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2
<b>Features</b>	
DC Connection	MC-4 mateable
AC Connection	IP65 rated plug
Display	LCD 240 x 160
Interface	RS485/RS232/Wifi/LAN

PEA & MEA LIST

