

SAJ

On-grid Single Phase Inverter

Sununo Plus 5K-M



Safe and Reliable

- Natural convection for longer life
- IP65 protection

Flexible and Efficient

- MPPT efficiency 99.9%
- Super wide input voltage range

Smart and Easy to Use

- Wi-Fi/GPRS/Ethernet modules
- Remote Maintenance

Convenient Installation

- Transformerless, smaller and lighter
- DC&AC quick connector

Technical Data

Type	Sununo Plus 5K-M
Input (DC)	
Max. PV Array Power [Wp] @ STC	6050
Max. DC Voltage [V]	600
MPPT Voltage range [V]	90-550
Nominal DC Voltage [V]	360
Start Voltage [V]	100
Min. DC Voltage [V]	80
Max. DC Input Current [A]	11/11
Number of DC Connection Sets per MPPT	1/1
Number of MPPT	2
DC Switch	Integrated
Output (AC)	
Rated AC Power [W]	4600 ¹ /5000
Max. AC Power [W]	4600/5000
Rated AC Current [A] @230Vac	20.0/21.7
Max. AC Current [A]	22.2/25.0
Nominal AC voltage/ range	220V, 230V, 240V/180V-280V
Grid frequency/ range	50Hz, 60Hz/±5Hz
Power factor [cos φ]	0.9 leading~0.9 lagging
Total Harmonic Distortion [THDi]	< 3%
Feed-in	1L+N+PE
Efficiency	
Max. Efficiency	97.9%
Euro Efficiency]	97.5%
MPPT Accuracy	>99.9%
Protection	
Internal Over-voltage Protection	Integrated
DC Insulation Monitoring	Integrated
DCI / GFCI / Grid Monitoring	Integrated
AC Short Circuit Current Protection	Integrated
Thermal Protection	Integrated
Anti-island protection monitoring	AFD
Interface	
AC Connection	Plug-in connector
DC Connection	MC4/H4
LCD / LED Display	LCD (16x2 Characters, Backlight) / LED (3 Lights)
Display Language	English
Communication port	RS232
Communication	Wi-Fi / GPRS / Ethernet (Optional)
General Data	
Topology	Transformerless
Consumption at Night [W]	<0.2
Consumption at Standby [W]	6
Operating Temperature Range	-25°C to +60°C (45°C to 60°C with derating)
Cooling Method	Natural Convection
Ambient Humidity	0% to 100% Non-condensing
Altitude	Up to 2000m (without derating)
Noise [dBA]	<25
Ingress Protection	IP65
Mounting	Rear Panel
Dimensions (H*W*D) [mm]	454*355*150
Net Weight [kg]	14.8
Standard Warranty [Year]	5 (Standard) / 10 / 15 / 20 / 25 (Optional)
Applicable Standard	IEC/EN62109-1/2, EN61000-6-2/3/4, IEC61683, IEC60068-2, IEC62116, IEC61727, PEA/MEA,VDE0126-1-1/A1,VDE-AR-N 4105, CEI 0-21, AS/NZS4777.2, CQC NB/T 32004, G83/2, NBR 16149, NBR 16150, C10/11,RD1669,UNE206006, UNE206007,EN50438

Remarks: 1. Meet the VDE - ARN - N 4105 that biggest apparent power of single-phase is 4600 VA. 2. The above parameters might be slightly modified according to different grid codes

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