

SAJ

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On-grid Single Phase Inverter

Sununo Plus 1K/1.5K/2K/2.5K/3K/3.6K
Sununo Plus 3K-M/4K-M/5K-M/6K-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

Sununo Plus 1K/1.5K/2K/2.5K/3K/3.6K; Sununo Plus 3K-M/4K-M/5K-M/6K-M

Type	Sununo Plus 1K	Sununo Plus 1.5K	Sununo Plus 2K	Sununo Plus 2.5K	Sununo Plus 3K	Sununo Plus 3.6K	Sununo Plus 3K-M	Sununo Plus 4K-M	Sununo Plus 5K-M	Sununo Plus 6K-M	
Input (DC)											
Max. DC Power [W]	1200	1800	2400	3000	3630	4420	3630	4840	6050	7200	
Max. DC Voltage [V]	450		500		550	600	600				
MPPT Voltage range [V]	60-425		60-450		60-500		90-550				
Nominal DC Voltage [V]					360						
Start Voltage [V]					70						
Min. DC Voltage [V]					50						
Max. DC Input Current [A]					11						
Number of DC Connection Sets per MPPT					1						
Number of MPPT					1						
DC Switch					Integrated						
Output (AC)											
Rated AC Power [W]	1000	1500	2000	2500	3000	3680	3000	3680 ¹ /4000	4600 ² /5000 ³ /5000	6000	
Max. AC Power [W]	1100	1650	2200	2750	3000	3680	3300	3680/4400	4600/5000/5500	6000	
Rated AC Current [A]	4.3	6.5	8.7	10.9	13.0	16.0	13.0	16.0/17.4	20.0/21.7	26.1	
Max. AC Current [A]	4.8	7.2	9.7	12.8	14.5	16.0	15.0	16.0/21.0	22.2/25.0	28.7	
Nominal AC voltage/ range					220V, 230V, 240V/180V-280V						
Grid frequency/ range					50Hz, 60Hz/±5Hz						
Power factor [cos φ]					>0.99 [full load]			0.8 leading~0.8 lagging			
Total Harmonic Distortion [THDi]					< 3%						
Feed-in					1L+N+PE						
Efficiency											
Max. Efficiency	97.1%	97.2%	97.4%	97.5%	97.6%	97.6%	97.6%	97.8%	97.9%	97.9%	
Euro Efficiency [at 360Vdc]	96.6%	96.7%	96.9%	97.0%	97.1%	97.1%	97.1%	97.4%	97.5%	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]	<15								<25		
Ingress Protection					IP65 (Indoor & Outdoor Installation)						
Mounting					Rear Panel						
Dimensions (H*W*D) [mm]	315*260*120				354*305*120				454*355*150		
Net Weight [kg]	5.6		7.8		8.3		8.4		14.8		
Standard Warranty [Year]					5 (Standard) / 10 / 15 / 20 / 25 (Optional)						
Certificates	IEC/EN62109-1/2, EN61000-6-2/3/4, IEC61683, IEC60068-2, IEC62116, IEC61727, PEA/MEA, VDE0126-1-1/A1, CEI 0-21, VDE-AR-N 4105, AS/NZS4777.2, CQC NB/T 32004, G83/2, NBR 16149, NBR 16150, C10/11, RD1669, UNE206006, UNE206007, EN50438										

Remarks: 1.Meet the grid standard that AC current per phase not exceeding 16A. 2.Meet the VDE - ARN - N 4105 that biggest apparent power of single-phase is 4600 VA. 3.Applicable to Belgian grid standard. 4.The above parameters might be slightly modified according to different grid codes.