



## 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

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# 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. PV Array Power [Wp] @ STC	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					100			
Min. DC Voltage [V]			50					80			
Max. DC Input Current [A]			11					11/11			
Max. DC Short Circuit Input Current [A]			13.2					13.2/13.2			
Number of DC Connection Sets per MPPT			1					1/1			
Number of MPPT			1					2			
DC Switch	Integrated										
Output (AC)											
Rated AC Power [W]	1000	1500	2000	2500	3000	3680	3000	3680 <sup>1</sup> /4000	4600 <sup>2</sup> /5000	6000	
Max. AC Power <sup>4</sup> [VA]	1100	1650	2200	2750	3000	3680	3300	3680/4400	4600/5000	6000	
Rated AC Current [A] @230Vac	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]						>0.99 (full load)		0.9 leading~0.9 lagging		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]	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										
Mounting	Rear Panel										
Dimensions (H*W*D) [mm]	315*260*120			354*305*120				454*355*150			454*355*162
Net Weight [kg]	5.6			7.8	8.3	8.4		14.8		15.8	
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, 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. The above parameters might be slightly modified according to different grid codes. 4. According to C10/C11, Max. AC Power = Rated AC Power.