



# Solar Imperium



*"solar energy, empowering W.A"*

1300 99 77 72



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## Single Phase Inverter

Sununo Plus 1K/1.5K/2K/2.5K/3K

Sununo Plus 3K-M/4K-M/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

**GUANGZHOU SANJING ELECTRIC CO., LTD.**

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# Technical Data

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

Type	Sununo Plus 1K	Sununo Plus 1.5K	Sununo Plus 2K	Sununo Plus 2.5K	Sununo Plus 3K	Sununo Plus 3K-M	Sununo Plus 4K-M	Sununo Plus 5K-M
<b>Input (DC)</b>								
Recommended Accessed DC power [W]	1330	1995	2660	3325	3990	3990	5320	6648
Max. DC Voltage [V]	450		500		550		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	
Number of DC Connection Sets per MPPT			1				1/1	
Number of MPPT			1				2	
<b>Output (AC)</b>								
Rated AC Power [W]	1000	1500	2000	2500	3000	3000	4000	4999
Max. AC Power [W]	1100	1650	2200	2750	3000	3300	4400	5000
Rated AC Current [A]	4.3	6.5	8.7	10.9	13.0	13.0	17.4	21.7
Max. AC Current [A]	4.8	7.2	9.7	12.8	14.5	15.0	21.0	25.0
Nominal AC voltage/ range				220V, 230V, 240V/180V-280V				
Grid frequency/ range				50Hz, 60Hz/±5Hz				
Power factor [cos φ]				>0.99 [full load]			0.9 leading~0.9 lagging	
Total Harmonic Distortion [THDi]				< 3%				
Feed-in				1L+N+PE				
<b>Efficiency</b>								
Max. Efficiency	97.1%	97.2%	97.4%	97.5%	97.6%	97.6%	97.8%	97.9%
Euro Efficiency [at 360Vdc]	96.6%	96.7%	96.9%	97.0%	97.1%	97.1%	97.4%	97.5%
MPPT Accuracy				>99.9%				
<b>Protection</b>								
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				
<b>Interface</b>								
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 )				
<b>General Data</b>								
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							