

# On-grid Single Phase Inverter

## Sununo Plus 2K/2.5K/3K



### BENEFITS

#### Flexible and Efficient

- Optimized global MPPT algorithm, MPPT efficiency higher than 99.5%
- Max. efficiency of 97.6%, European efficiency of 97.1%
- Super wide input voltage range(50V-500V/550V), supporting system with a minimum of 3 solar panels
- With reduced derating under high temperature, the generating capacity is improved

#### Convenient Installation

- Transformerless, smaller and lighter up to 7.8kg
- AC output quick connector design, for faster installation

#### Smart and Easy to Use

- One-button safety setting, easy configuration of all parameters
- Built-in independent RTC chip, supporting data storage of 25 years
- Integrated RS232 / Wi-Fi interfaces, for improved communication
- Free monitoring anytime anywhere
- Local and remote intelligent maintenance by PC, IOS and Android devices
- Responds to power grid dispatching, energy management of micro-grids

#### Safe and Reliable

- IP65 protection for indoor and outdoor installation
- Aluminum case design to enhance heat dissipation and prevent rust corrosion, prolong life time
- Optional built-in high voltage DC switch for safer maintenance and application
- Natural convection for longer life



**ANTARES**  
TECHNOLOGY

# Technical Data

## Sununo Plus 2K/2.5K/3K

Type	Sununo Plus 2K	Sununo Plus 2.5K	Sununo Plus 3K
<b>Input (DC)</b>			
Max. DC Power [W]	2400	2900	3200
Max. DC Voltage [V]	500		550
MPPT Voltage range [V]	60-450		60-500
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		optional	
<b>Output (AC)</b>			
Rated AC Power [W]	2000	2500	3000
Max. AC Power [W]	2200	2750	3000
Rated AC Current [A]	8.7	10.9	13.0
Max. AC Current [A]	10.6	13.3	14.5
Nominal AC voltage/ range		220V, 230V, 240V/180V-280V	
Grid frequency/ range		50Hz, 60Hz/±5Hz	
Power factor [cos φ]		>0.99 [full load]	
Total Harmonic Distortion [THDi]		< 3%	
Feed-in Phase / Connection Phase		1/1	
<b>Efficiency</b>			
Max. Efficiency	97.4%	97.5%	97.6%
Euro Efficiency [at 360Vdc]	96.9%	97.0%	97.1%
MPPT Accuracy		>99.5%	
<b>Protection</b>			
Internal Over-voltage Protection		Integrated	
DC Insulation Monitoring		Integrated	
DCI Monitoring		Integrated	
GFCI Monitoring		Integrated	
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	
Datalogger & Communication		RS232 ( Standard ) / Wi-Fi ( 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]		<25	
Ingress Protection		IP65 ( Indoor & Outdoor Installation )	
Mounting		Rear Panel	
Dimensions (H*W*D) [mm]		354*305*120	
Net Weight [kg]	7.8	8.3	8.4
Standard Warranty [Year]		5 ( Standard ) / 10 / 15 / 20 / 25 ( Optional )	
Certificates		IEC62109-1/2, IEC61000-6-2/3, IEC61683, IEC60068-2, IEC62116, IEC61717, PEA/MEA, NRS 097-2-1, UTE-C-15-712-1, VDE0126-1-1/A1, VDE-AR-N 4105, AS4777.2, AS4777.3, C-TICK, CQC NB/T 32004, G83-2, NBR 16149, NBR 16150, TF 3.2.1, C10/11	