Technical Data

Sununo Plus 3K-M/4K-M/5K-M/6K-M

Type	Sununo Plus 3K-M	Sununo Plus 4K-M	Sununo Plus 5K-M	Sununo Plus 6K-M
Input (DC)				
Recommended accessed DC power[1] [W]	3630	4840	6050	7200
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]	3000	3680[2]/4000	4600[3]/5000	6000
Max. AC Power [W]	3300	3680/4400	4600/5000	6000
Rated AC Current [A]	13.0	16.0/17.4	20.0/21.7	26.1
Max. AC Current [A]	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)	0.9 leading~0.9 lagging		0.8 leading~0.8 lagging
Total Harmonic Distortion [THDi]	< 3%			
Feed-in	1L+N+PE			
Efficiency				
Max. Efficiency	97.6%	97.8%	97.9%	97.9%
Euro Efficiency [at 360Vdc]	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]	<25			
Ingress Protection	IP65 (Indoor & Outdoor Installation)			
Mounting	Rear Panel			
Dimensions (H*W*D) [mm]	454*355*150			454*355*162
Net Weight [kg]	14.8			15.8
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. 1000W/M2 25℃ 2. Meet the grid standard that AC current per phase not exceeding 16A. 3. Meet the VDE - ARN - N 4105 that biggest apparent power of single-phase is 4600 VA. 4. The above parameters might be slightly modified accoridng to different grid codes.