

Inversores On Grid Suntrio Plus 4K / 5K / 6K / 8K / 10K



Type	Suntrio Plus 4K	Suntrio Plus 5K	Suntrio Plus 8K	Suntrio Plus 10K
Input (DC)				
Max. DC Power [W]	4200	5300	8400	10500
Max. DC Voltage [V]	1000			
MPPT Voltage Range [V]	160-900			
Nominal DC Voltage [V]	600			
Start Voltage[V]	180			
Min. DC Voltage[V]	150			
Max. DC Input Current PV1 / PV2 [A]	11/11		22/11	
Number of MPPT	2			
Number of DC Connection Sets per MPPT	1/1		2/1	
DC Switch	Integrated			
Output (AC)				
Rated AC Power [VA] (@ 230V,50Hz)	4000	5000	8000	10000
Max. AC Apparent Power [VA]	4000	5000	8000	10000
Rated AC Current[A]	5.8	7.2	11.6	14.5
Max. AC Current [A]	6.4	8.1	12.9	15.9
Nominal AC voltage/ range	3/N/PE, 220/380V,230/400V,240/415V;180V-280V/312V-485V			
Grid frequency/ range	50Hz,60Hz /44Hz-55Hz,54-65Hz			
Power factor,adjustable	0.9 leading~0.9 lagging			
Total Harmonic Distortion (THDi)	< 3% (at nominal power)			
Feed-in Phase / Connection Phase	3/3			
Efficiency				
Max. Efficiency	97.8%	97.8%	98.0%	98.0%
Euro Efficiency (at 600Vdc)	97.0%	97.2%	97.5%	97.6%
MPPT Accuracy	>99.5%			
Protection				
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			
Interface				
DC Connection	MC4/H4			
AC Connection	Plug-in connector			
LCD Display	3.5 inch Graphic LCD Display, Backlight, Inverter Parameter and Data			
Display Language	Multi Language			
Datalogger & Communication	1*RS485/1*RS232/WiFi(Optional)			
General Data				
Topology	Transformerless			
Consumption at Night [W]	<0.6			
Consumption at Standby [W]	<10			
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 power derating)			
Noise [dBA]	<29			
Ingress Protection	IP65 (Indoor & Outdoor Installation)			
Mounting	Rear Panel			
Dimensions (H*W*D) [mm]	530*355*190		530*355*200	
Net Weight [kg]	20.5		23	
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			