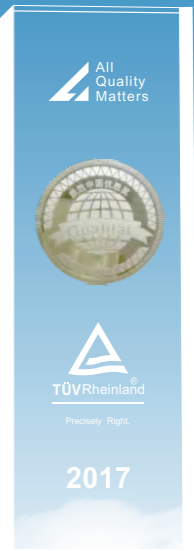




On-grid Three Phase Inverter

Suntrio Plus 12K/15K/17K/20K/25K/30K/33K/40K/50K/60K



- Safe and Reliable**
 - IP65 protection
 - DC&AC surge protection
- Flexible and Efficient**
 - MPPT efficiency 99.9%
 - Three MPPTs
 - Super wide input voltage range
- Smart and Easy to Use**
 - One-button configuration
 - Remote Maintenance
 - Integrated string current monitoring
- Convenient Installation**
 - Aluminum case design
 - Separate area for maintenance

GUANGZHOU SANJING ELECTRIC CO., LTD.
 Website: www.saj-electric.com E-mail: info@saj-electric.com
 Add:SAJ Innovation Park, No.9, Lizhishan Road, Science City, Guangzhou, Guangdong, P.R.China.



Technical Data

Suntrio Plus 12K/15K/17K/20K/25K/30K/33K/40K/50K/60K

Type	Suntrio Plus 12K	Suntrio Plus 15K	Suntrio Plus 17K	Suntrio Plus 20K	Suntrio Plus 25K	Suntrio Plus 30K	Suntrio Plus 33K	Suntrio Plus 40K	Suntrio Plus 50K	Suntrio Plus 60K
Input (DC)										
Max. PV Array Power [Wp]@STC	18000	22500	25500	26000	37500	40000	40000	60000	65000	78000
Max. DC Voltage [V]					1000					
MPPT Voltage Range [V]				180-900					280-900	
Nominal DC Voltage [V]					600					
Start Voltage [V]				200					300	
Min. DC Voltage [V]				180					250	
Max. DC Input Current PV1 / PV2 [A]	22/11		22/22			22/22/22		44/33/33		44/44/44
Number of MPPT		2					3			
Number of DC Connection Sets per MPPT	2/1		2/2			2/2/2		4/3/3		4/4/4
DC Switch					Integrated					
Output (AC)										
Rated AC Power [W]	12000	15000	17000	20000	25000	30000*1	30000	40000	50000	60000
Max. AC Power*2 [VA]	13200	16500	18700	22000	27500	30000	33000	44000	55000	60000
Rated AC Current [A] @230Vac	17.4	21.7	25.8	29.0	37.9	43.5	45.5	58.0	72.5	87.0
Max. AC Current [A]	20.0	25.0	28.3	33.0	42.0	50.0	50.0	65.0	80.0	90.0
Nominal AC voltage/ range				3L/N/PE, 220/380V, 230/400V, 240/415V; 180V-280V/312V-485V						
Grid frequency / range					50Hz, 60Hz / 44Hz-55Hz, 54-65Hz					
Power factor,adjustable [cos φ]					0.8 leading~0.8 lagging					
Total Harmonic Distortion (THDi)					< 3% (at nominal power)					
Feed-in					3L+N+PE					
Efficiency										
Max. Efficiency	98.3%	98.4%	98.5%	98.5%	98.6%	98.8%	98.8%	98.8%	98.8%	98.9%
Euro Efficiency	98.0%	98.1%	98.2%	98.2%	98.4%	98.5%	98.5%	98.5%	98.5%	98.6%
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					
AC Surge Protection		III (Integrated) , II (Optional)					II (Integrated)			
String Current Monitoring					Integrated					
DC Surge Protection		II (Optional)					II (Integrated)			
DC Fuse					Optional					
Anti-island protection monitoring					AFD					
Interface										
DC Connection					MC4/H4					
AC Connection					Terminal Block					
LCD Display					3.5 inch Graphic LCD Display, Backlight					
Display Language					English					
Communication port					2*RS485+1*RS232					
Communication					Wi-Fi/GPRS/Ethernet (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					Intelligent fan					
Ambient Humidity					0% to 100% Non-condensing					
Altitude					3000m (> 2000m power derating)					
Noise [dBA]					<35					
Ingress Protection					IP65					
Mounting					Rear Panel					
Dimensions (H*W*D) [mm]		640*450*232				700*530*260			800*550*280	
Weight [kg]	29		33		48			68		
Standard Warranty [Year]					5 (Standard) / 10 / 15 / 20 / 25 (Optional)					
Applicable Standard	IEC/EN62109-1/2, EN61000-6-2/3, IEC61683, IEC60068-2, IEC62116, IEC61727, VDE0126-1-1/A1, VDE-AR-N 4105, CQC NB/T 32004, G83/2, NBR 16149, NBR 16150, C10/11, EN50438, Rd1669, UNE206006, UNE206007, G59/3									

Remarks: *1 According to AS4777, Rated AC Power for Suntrio Plus 30K is 29999VA.

*2 According to C10/C11, Max. AC Power = Rated AC Power