RESIDENTIAL
&
COMMERCIAL
SOLAR
SOLUTIONS

SAJ

RESIDENTIAL & COMMERCIAL SOLAR SOLUTIONS

Guangzhou Sanjing Electric Co.,Ltd.

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Products are continuously updated and parameters are just for reference.

Guangzhou Sanjing Electric Co.,Ltd.

CONTENT

Founded in 2005, SAJ is one of the largest global inverter specialists focusing on renewable energy conversion, transmission and storage solutions. SAJ provides solar products including on grid solar inverter, storage solar inverter, all-in-one battery solution and monitoring platform.

In 2017, SAJ was the global top 10 single phase inverter brand for residential use by IHS Markit and was the Top 3 supplier occupying 24% market share of China Residential PV market. With warehouse in Netherland and localized service teams in Belgium, Australia, India, Brazil and etc., SAJ develops quickly and has built up long-term cooperation with customers globally. Persisting in high product quality and quick service response, SAJ is entrusted by customers to provide smart energy solutions worldwide.

Company Honors

- National High and New Technology Enterprise
- Entitled participant of initiating residential PV standards (Organized by China Quality Certification Centre)
- Guangdong Solar Inverter Engineering & Technology Research Center
- **187** programs with intellectual property rights

Competitive Products

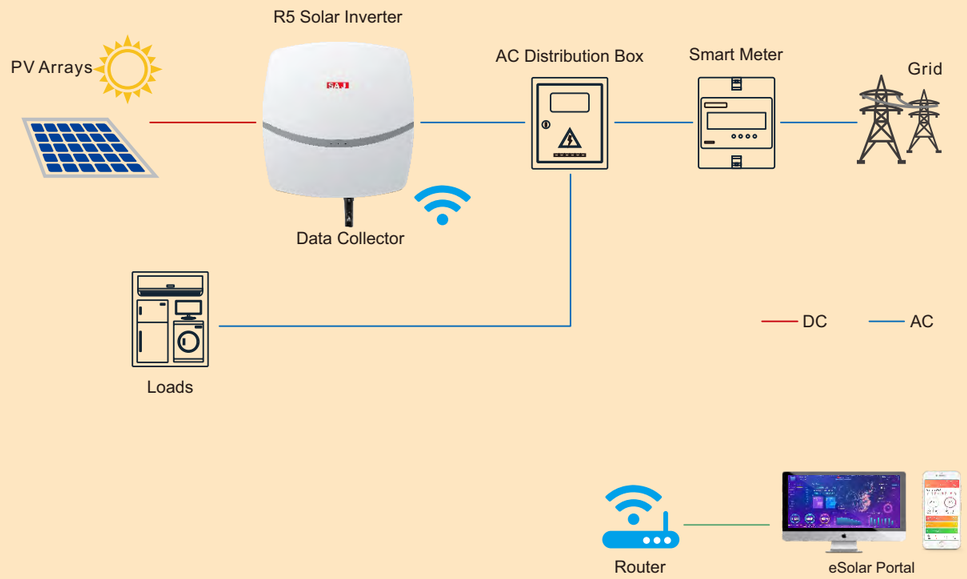
- **Top 10** Global single-phase inverter brand in 2017 by IHS Markit
- TüV Rheinland "**All Quality Matters**" Award for two consecutive years from 2018 to 2019
- **25%+** market share of storage inverter for residential systems in Australia in 2019

First-class Services

- **Localized service** strategy
- **20+** branch offices, **80+** after-sale service sites
- **Comprehensive care service** partner systems

Residential Solar Solutions

Solar inverter plays an important part in photovoltaic system. It converts DC current generated by solar panels into AC current with the same frequency and phase as grid. R5 series inverter, with power ranging from 0.7-20kW, is designed exclusively for residential solar systems. Working with eSolar Portal, the cloud-based data monitoring, remote maintenance and energy management platform, R5 series provides solutions for smart energy.

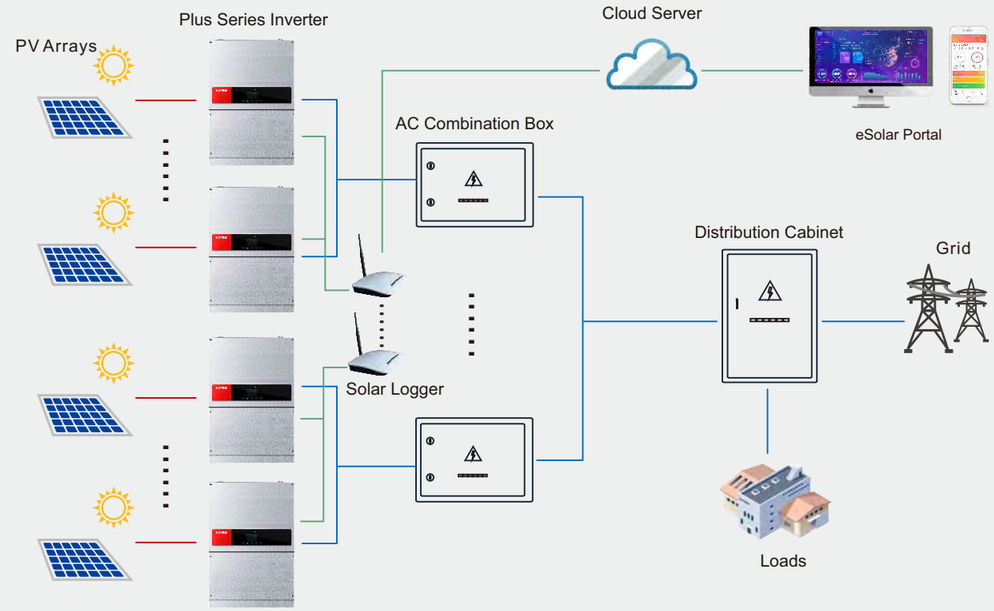


Commercial Solar Solutions

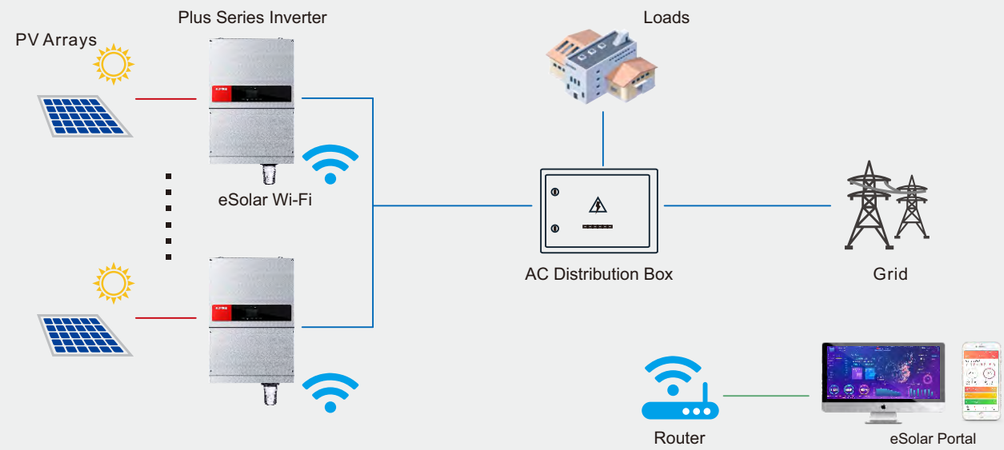
There are multiple MPPTs for commercial solar inverter, which can effectively solve the problem of blocking and orientation inconsistency, so as to improve power generation. They are widely used in residential, industrial and commercial rooftop systems, village-level ground solar plants and other power generation systems.

DC AC COM

RS485 communication solution



Wireless communication solution



R5 Series Single Phase Inverter

R5-0.7K/1K/1.5K/2K/2.5K/3K-S1

- Compact and light weight
- APP connection, All data at real time
- Remote Maintenance Configuration
- Quiet operation, No noise pollution
- External module with screen display
- High reliability, relay redundancy design

Technical Data

Type	R5-0.7K-S1	R5-1K-S1	R5-1.5K-S1	R5-2K-S1	R5-2.5K-S1	R5-3K-S1
Input (DC)						
Max.PV Array Power [Wp]@STC	1050	1500	2250	3000	3250	3600
Max. DC Voltage [V]	450				500	
MPPT Voltage Range [V]	40-425				50-450	
Nominal DC Voltage[V]	360					
Start Voltage [V]	40				50	
Min. DC Voltage [V]	40					
Max. DC Input Current [A]	12.5					
Number of DC Connection Sets per MPPT	1					
Number of MPPT	1					
DC Switch	Integrated (Optional)					
Output (AC)						
Rated AC Power [W]	700	1000	1500	2000	2500	3000
Max. AC Power*1 [VA]	770	1100	1650	2200	2750	3300
Rated AC Current [A]@230Vac	3.1	4.4	6.6	8.7	10.9	13.1
Max. AC Current [A]	3.5	5.0	7.5	10	12.5	15
Nominal AC Voltage/ Range [V]	220,230,240/180-280					
Grid Frequency/ Range [Hz]	50 , 60/45-55 , 55-65					
Power Factor [cos φ]	0.8 leading~0.8 lagging					
Total Harmonic Distortion [THDi]	< 2%					
Feed-in	L+N+PE					
Efficiency						
Max. Efficiency	97.2%	97.3%	97.4%	97.6%	97.7%	97.8%
Euro Efficiency	96.4%	96.7%	96.8%	97.0%	97.1%	97.2%
MPPT Accuracy	>99.9%					
Protection						
Internal Over-voltage Protection	Integrated					
DC Insulation Monitoring	Integrated					
DC Surge Protection	Integrated					
Grid Monitoring	Integrated					
AC Short Circuit Current Protection	Integrated					
AC Grounding Detection	Integrated					
GFCI Monitoring	Integrated					
DCI Monitoring	Integrated					
AC Surge Protection	Integrated					
Thermal Protection	Integrated					
Anti-island protection monitoring	AFD					
Interface						
DC Connection	MC4					
AC Connection	Plug-in connector					
Human Machine Interface	LED+(bluetooth/Wi-Fi+APP)					
Communication Port	RS232(USB)+RS485 (RJ45) +DRM					
Communication Mode	Wi-Fi/GPRS/4G(Optional)					
General Data						
Topology	Transformerless					
Consumption at Night [W]	<0.2					
Consumption at Standby [W]	6					
Operating Temperature Range	-40°C to +60°C [45°C to 60°C with derating]					
Cooling Method	Natural Convection					
Ambient Humidity	0-100% Non-condensing					
Altitude	4000m (>3000m power derating)					
Noise [dBA]	<25					
Ingress Protection	IP65					
Mounting	Rear Panel					
Dimensions [H*W*D][mm]	302*289*125					
Weight [kg]	5.2			5.5		
Standard Warranty [Year]	5 (standard)/10/15/20/25 (Optional)					
Applicable Standard	IEC62109-1/2, IEC61000-6-1/2/3/4, EN50438, EN50549, C10/C11, IEC62116, IEC61727, RD1699, UNE 206006, UNE 206007, CEI 0-21, AS4777.2, NBR 16149, NBR 16150, VDE-AR-N 4105					

Remarks: *1 According to C10/C11, Max. AC Power = Rated AC Power

R5 Series Single Phase Inverter

R5-3K/3.6K/4K/5K/6K/7K/8K-S2

- Lightning protection
  High precision leakage monitoring
- Die-casting case cover
  Beautiful & reliable
- Low standby consumption
  High efficiency, high yield
- APP connection
  All data at real time
- Remote Maintenance
  Remote Configuration
- Quiet generation
  No noise pollution
- Intelligent & Grid-friendly
  Active response to grid dispatch

Technical Data

Type	R5-3K-S2	R5-3.6K-S2	R5-4K-S2	R5-5K-S2	R5-6K-S2	R5-7K-S2	R5-8K-S2
Input (DC)							
Max.PV Array Power [Wp]@STC	4500	5400	6000	7500	9000	10500	12000
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 PV1/PV2 [A]	12.5/12.5					25/12.5	
Number of DC Connection Sets Per MPPT	1/1					2/1	
Number of MPPT	2						
DC Switch	Integrated						
Output [AC]							
Rated AC Power [W]	3000	3680	4000	5000*1	6000	7000	8000
Max. AC Power*2 [VA]	3300	3680	4400	5500	6000	7700	8000
Rated AC Current [A] @230Vac	13.1	16.0	17.4	21.8*3	26.1	30.5	34.8
Max. AC Current [A]	14.4	16.0	19.2	24.0	26.1	33.5	34.8
Nominal AC Voltage/ Range [V]	220,230,240/180-280						
Grid Frequency/ Range [Hz]	50,60/45-55,55-65						
Power Factor [cos φ]	0.8 leading~0.8 lagging						
Total Harmonic Distortion [THDi]	< 2%(at nominal power)						
Feed-in	L+N+PE						
Efficiency							
Max. Efficiency	97.8%	98.0%	98.0%	98.1%	98.2%	98.2%	98.3%
Euro Efficiency	97.2%	97.5%	97.5%	97.6%	97.6%	97.7%	97.8%
MPPT Accuracy	>99.9%						
Protection							
Internal Over-voltage Protection	Integrated						
DC Insulation Monitoring	Integrated						
DC Surge Protection	Integrated						
Grid Monitoring	Integrated						
AC Short Circuit Current Protection	Integrated						
AC Grounding detection	Integrated						
GFCI Monitoring	Integrated						
DCI Monitoring	Integrated						
AC Surge Protection	Integrated						
Thermal Protection	Integrated						
Anti-island Protection Monitoring	AFD						
Interface							
DC Connection	MC4						
AC Connection	Plug-in connector					Terminal Block	
Human Machine Interface	LED + (bluetooth/Wi-Fi+APP)						
Communication Port	RS232(USB joints)+RS485(RJ45 crystal joints)						
Communication Mode	Wi-Fi / GPRS / 4G(Optional)						
General Data							
Topology	Transformerless						
Consumption at Night [W]	<0.2						
Consumption at Standby [W]	6						
Operating Temperature Range	-40°C to +60°C (running in reduced load condition when the temperature is above 45°C)						
Cooling Method	Natural Convection						
Ambient Humidity	0-100% Non-condensing						
Altitude	4000m (>3000m power derating)						
Noise [dBA]	<25						
Ingress Protection	IP65						
Mounting	Rear Panel						
Dimensions [H*W*D][mm]	389*367*143					429*418*177	
Weight [kg]	12.2					18	
Standard Warranty [Year]	5 (standard)/10/15/20/25 (Optional)						
Applicable Standard	IEC62109-1/2,IEC61000-6-1/2/3/4,EN50438,C10/C11,IEC62116,IEC61727,RD1699,UNE 206006, UNE 206007,CEI 0-21,AS4777.2,NBR 16149, NBR 16150,VDE-AR-N 4105						

Remarks: *1 According to VDE - ARN - N 4105, Rated AC Power for R5-5K-S2 is 4600VA; According to AS4777, Rated AC Power for R5-5K-S2 is 4999VA.
*2 According to C10/C11, Max. AC Power = Rated AC Power
*3 According to VDE - ARN - N 4105, Rated AC Current for R5-5K-S2 is 20A; According to AS4777, Rated AC Current for R5-5K-S2 is 21.7A.

R5 Series Three Phase Inverter

R5-3K/4K/5K/6K/8K/9K/10K/12K-T2

- Lightning protection
  High precision leakage monitoring
- Die-casting case cover
  Beautiful & reliable
- Low standby consumption
  High efficiency, high yield
- APP connection
  All data at real time
- Remote Maintenance
  Remote Configuration
- Quiet generation
  No noise pollution
- Intelligent & Grid-friendly
  Active response to grid dispatch

Technical Data

Type	R5-3K-T2	R5-4K-T2	R5-5K-T2	R5-6K-T2	R5-8K-T2	R5-9K-T2	R5-10K-T2	R5-12K-T2
Input (DC)								
Max.PV Array Power [Wp]@STC	4500	6000	7500	9000	12000	13500	15000	15600
Max. DC Voltage [V]	1100							
MPPT Voltage Range [V]	160-950							
Nominal DC Voltage[V]	600							
Start Voltage [V]	180							
Min. DC Voltage [V]	150							
Max. DC Input Current [A]	12.5/12.5							
Number of DC Connection Sets per MPPT	1/1							
Number of MPPT	2							
DC Switch	Integrated							
Output (AC)								
Rated AC Power [W]	3000	4000	5000	6000	8000	9000	10000	12000
Max. AC Power*[1] [VA]	3300	4400	5500	6600	8800	9900	11000	12000
Rated AC Current [A]@230Vac	4.4	5.8	7.3	8.7	11.6	13.1	14.5	17.4
Max. AC Current [A]	5.0	6.7	8.4	10.0	13.4	15.0	16.7	18.2
Nominal AC Voltage/ Range [V]	220/380, 230/400, 240/415; 180-280/312-485							
Grid Frequency/ Range [Hz]	50, 60/45-55, 55-65							
Power Factor [cos φ]	0.8 leading~0.8 lagging							
Total Harmonic Distortion [THDi]	<2%(at nominal power)							
Feed-in	3L+N+PE							
Efficiency								
Max. Efficiency	98.0%	98.3%	98.3%	98.3%	98.6%	98.6%	98.6%	98.6%
Euro Efficiency	97.6%	98.0%	98.0%	98.0%	98.2%	98.2%	98.3%	98.3%
MPPT Accuracy	>99.5%							
Protection								
Internal Over-voltage Protection	Integrated							
DC Insulation Monitoring	Integrated							
DC Surge Protection	Integrated							
Grid Monitoring	Integrated							
AC Short Circuit Current Protection	Integrated							
AC Grounding Detection	Integrated							
GFCI Monitoring	Integrated							
DCI Monitoring	Integrated							
AC Surge Protection	Integrated							
Thermal Protection	Integrated							
Anti-island protection monitoring	AFD							
Interface								
DC Connection	MC4							
AC Connection	Plug-in connector							
Human Machine Interface	LED+(bluetooth/Wi-Fi+APP)							
Communication Port	RS232(USB joints)+RS485(RJ45 crystal joints)							
Communication Mode	Wi-Fi/GPRS/4G(Optional)							
General Data								
Topology	Transformerless							
Consumption at Night [W]	<0.6							
Consumption at Standby [W]	<10							
Operating Temperature Range	-40°C to +60°C (running in reduced load condition when the temperature is above 45°C)							
Cooling Method	Natural Convection							
Ambient Humidity	0-100% Non-condensing							
Altitude	4000m (>3000m power derating)							
Noise [dBA]	<29							
Ingress Protection	IP65							
Mounting	Rear Panel							
Dimensions [H*W*D][mm]	429*418*177							
Weight [kg]	19							
Standard Warranty [Year]	5 (standard)/10/15/20/25 (Optional)							
Applicable Standard	IEC62109-1/2, IEC61000-6-1/2/3/4, EN50438, C10/C11, IEC62116, IEC61727, RD1699, UNE 206006, UNE 206007, CEI 0-21, CEI 0-16, NBR 16149, NBR 16150, G98, G99							

Remarks: *[1]According to C10/C11, Max. AC Power = Rated AC Power

R5 Series Three Phase Inverter

R5-13K/15K/17K/20K-T2

- Lightning protection
  High precision leakage monitoring
- Die-casting case cover
  Beautiful & reliable
- Low standby consumption
  High efficiency, high yield
- APP connection
  All data at real time
- Remote Maintenance
  Remote Configuration
- Quiet generation
  No noise pollution
- Intelligent & Grid-friendly
  Active response to grid dispatch

Technical Data

Type	R5-13K-T2	R5-15K-T2	R5-17K-T2	R5-20K-T2
Input (DC)				
Max.PV Array Power [Wp]@STC	19500	22500	25500	30000
Max. DC Voltage [V]	1100			
MPPT Voltage Range [V]	160-950		180-950	
Nominal DC Voltage[V]	600			
Start Voltage [V]	180		200	
Min. DC Voltage [V]	160		180	
Max. DC Input Current [A]	25/12.5		25/25	
Number of DC Connection Sets per MPPT	2/1		2/2	
Number of MPPT	2			
DC Switch	Integrated			
Output (AC)				
Rated AC Power [W]	13000	15000	17000	20000
Max. AC Power*1 [VA]	14300	16500	18700	22000
Rated AC Current [A]@230Vac	18.9	21.8	24.7	29.0
Max. AC Current [A]	21.7	25.0	28.4	33.4
Nominal AC Voltage/ Range [V]	220/380, 230/400, 240/415; 180-280/312-485			
Grid Frequency/ Range [Hz]	50, 60/45-55, 55-65			
Power Factor [cos φ]	0.8 leading~0.8 lagging			
Total Harmonic Distortion [THDi]	<2%(at nominal power)			
Feed-in	3L+N+PE			
Efficiency				
Max. Efficiency	98.7%	98.7%	98.8%	98.8%
Euro Efficiency	98.4%	98.4%	98.46%	98.46%
MPPT Accuracy	>99.5%			
Protection				
Internal Over-voltage Protection	Integrated			
DC Insulation Monitoring	Integrated			
DC Surge Protection	Integrated			
Grid Monitoring	Integrated			
AC Short Circuit Current Protection	Integrated			
AC Grounding Detection	Integrated			
GFCI Monitoring	Integrated			
DCI Monitoring	Integrated			
AC Surge Protection	Integrated			
Thermal Protection	Integrated			
Anti-island protection monitoring	AFD			
Interface				
DC Connection	MC4			
AC Connection	Terminal Block			
Human Machine Interface	LED+(bluetooth/Wi-Fi+APP)			
Communication Port	RS232(USB joints)+RS485(RJ45 crystal joints)			
Communication Mode	Wi-Fi/GPRS/4G(Optional)			
General Data				
Topology	Transformerless			
Consumption at Night [W]	<0.6			
Consumption at Standby [W]	<10			
Operating Temperature Range	-40°C to +60°C (running in reduced load condition when the temperature is above 45°C)			
Cooling Method	Natural Convection			
Ambient Humidity	0-100% Non-condensing			
Altitude	4000m (>3000m power derating)			
Noise [dBA]	<29			
Ingress Protection	IP65			
Mounting	Rear Panel			
Dimensions [H*W*D][mm]	480*440*200		530*490*210	
Weight [kg]	26		29	
Standard Warranty [Year]	5 (standard)/10/15/20/25 (Optional)			
Applicable Standard	IEC62109-1/2, IEC61000-6-1/2/3/4, EN50438, C10/C11, IEC62116, IEC61727, RD1699, UNE 206006, UNE 206007, CEI 0-21, CEI 0-16, NBR 16149, NBR 16150, G98, G99			

Remarks: *1According to C10/C11, Max. AC Power = Rated AC Power

Plus Series Three Phase Inverter

Suntrio Plus 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

Technical Data

Type	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	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[A]	22/22/22			44/33/33		44/44/44
Number of MPPT	3					
Number of DC Connection Sets per MPPT	2/2/2			4/3/3		4/4/4
DC Switch	Integrated					
Output (AC)						
Rated AC Power [W]	25000	30000*1	30000	40000	50000	60000
Max. AC Power*2 [VA]	27500	30000	33000	44000	55000	60000
Rated AC Current [A] @230Vac	37.9	43.5	45.5	58.0	72.5	87.0
Max. AC Current [A]	42.0	50.0	50.0	65.0	80.0	90.0
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 [cos φ]	0.8 leading~0.8 lagging					
Total Harmonic Distortion (THDi)	< 3% (at nominal power)					
Feed-in	3L+N+PE					
Efficiency						
Max. Efficiency	98.6%	98.8%	98.8%	98.8%	98.8%	98.9%
Euro Efficiency (@ 600Vdc)	98.4%	98.5%	98.5%	98.5%	98.5%	98.6%
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					
LVRT	Integrated					
Thermal Protection	Integrated					
AC Surge Protection	Integrated (II)					
String Current Monitoring	Integrated					
Anti-PID Module	Optional					
DC Surge Protection	Integrated (II)					
DC Fuse	Optional					
Anti-island protection monitoring	AFD					
Interface						
DC Connection	MC4/H4					
AC Connection	Terminal Block					
LCD & LED Display	3.5 inch Graphic LCD Display					
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 (Indoor & Outdoor Installation)					
Mounting	Rear Panel					
Dimensions (H*W*D) [mm]	700*530*260			800*550*280		
Weight [kg]	48			68		
Standard Warranty [Year]	5 (Standard) / 10 / 15 / 20 / 25 (Optional)					
Applicable Standard	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,G59-3,NBR 16149,NBR 16150,TF 3.2.1					

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

eSolar GPRS (R5)

Plug-in connection
Easy to maintain

Configurate
parameter quickly

Bluetooth
local connection

Remote
control support

Datasheet

General parameters	
Connecting inverters No. [set]	1
Inverter communication port	USB
Remote communication port	GPRS/Bluetooth
Operating frequency [MHz]	850/900/1800/1900
Data collection interval[min]	1~30 [Optional]， 10 [Standard]
Firmware update method	Serial port / Remote
Access data method	Integrated webpage / Remote sever
Status display	LED
Electric parameter	
Input voltage [V]	DC 5~7 (±5%)
Static consumption [W]	<0.25
Max. instant consumption [W]	<15
Environment	
Operating temperature range	-25℃~+75℃
Storage temperature range	-40℃~+90℃
Dimensions [H*W*D][mm]	120*49*31
Weight [g]	87
Ingress protection	IP65
Others	
Mounting method	Plug-in+Screw lock
Warranty [Year]	2

eSolar GPRS (Plus)

Plug-in connection
Easy to maintain

Automatic
reconnection support

Online
upgrade support

Remote
control support

Datasheet

General parameters	
Connecting inverters No. [set]	1
Inverter communication port	RS232
Remote communication port	GPRS
Operating frequency [MHz]	850/900/1800/1900
Transmitted power	Class 4 (2W) GSM850、EGSM900/Class 1(1W) DCS1800、PCS1900
Data collection interval[min]	1~30 [Optional]， 10 [Standard]
Firmware update method	Serial port / Remote
Access data method	Integrated webpage / Remote sever
Status display	2*LED
Electric parameter	
Input voltage	DC 5V (±3%)
Static consumption [W]	<1
Max. instant consumption [W]	<8
Environment	
Operating temperature range	-40℃~+85℃
Storage temperature range	-45℃~+90℃
Dimensions [H*W*D][mm]	84*65*22
Weight [g]	80
Ingress protection	IP65
Others	
Mounting method	Plug-in+Screw lock
Warranty [Year]	2

eSolar WiFi-D

Home Wi-Fi connection
Conventient & efficient

Plug-in connection
Easy to maintain

Real-time
data reading

Remote
control support

Datasheet

General parameters	
Connecting inverters No. [set]	1
Inverter communication port	USB
Remote communication port	Wi-Fi
Operating frequency [GHz]	2.4
Transmitted power	<0.1
Data collection interval[min]	1~30 [Optional] ， 10 [Standard]
Firmware update method	Serial port / Remote
Access data method	Integrated webpage / Remote sever
Status display	OLED
Electric parameter	
Input voltage	DC 5~7V (±5%)
Static consumption [W]	<1
Max. instant consumption [W]	<8
Environment	
Operating temperature range	-40℃~+85℃
Storage temperature range	-45℃~+90℃
Dimensions [H*W*D][mm]	120*49*40
Weight [g]	80
Ingress protection	IP65
Others	
Mounting method	Plug-in+Screw lock
Warranty [Year]	2

eSolar Wi-Fi

Home Wi-Fi connection
Conventient & efficient

Plug-in connection
Easy to maintain

Real-time
data reading

Remote
control support

Datasheet

General parameters	
Connecting inverters No. [set]	1
Inverter communication port	RS232
Remote communication port	Wi-Fi
Operating frequency [GHz]	2.4
Transmitted power [W]	<0.5
Communication distance [m]	100
Data collection interval [min]	1~30 [Optional] ， 10 [Standard]
Firmware update method	Serial port / Remote
Access data method	Integrated Webpage / Remote sever
Status display	2*LED
Electric parameter	
Input voltage	DC 5V (±5%)
Static consumption [W]	<1
Max. instant consumption [W]	<8
Environment	
Operating temperature range	-40℃~+85℃
Storage temperature range	-45℃~+90℃
Dimensions [H*W*D][mm]	84*65*22
Weight [g]	80
Ingress protection	IP65
Others	
Mounting method	Plug-in+Screw lock
Warranty [Year]	2

eSolar 4G

Plug-in connection
Easy to maintain

Automatic
reconnection support

Bluetooth
local connection

Remote
control support

Datasheet

General parameters	
Connecting inverters No. [set]	1
Inverter communication port	USB
Remote communication port	4G/Bluetooth
Operating frequency [MHz]	LTE-TDD , LTE-FDD
Data collection interval[min]	1~30 [Optional] ， 10 [Standard]
Firmware update method	Serial port / Remote
Access data method	Integrated webpage / Remote sever
Status display	LED
Electric parameter	
Input voltage [V]	DC 5~7 (±5%)
Static consumption [W]	<0.25
Max. instant consumption [W]	<18
Environment	
Operating temperature range	-25℃~+75℃
Storage temperature range	-40℃~+90℃
Dimensions [H*W*D][mm]	120*49*31
Weight [g]	87
Ingress protection	IP65
Others	
Mounting method	Plug-in+Screw lock
Warranty [Year]	2

eSolar Ethernet

Connect with RJ45
Stable & simple

Real-time
data reading

Waterproof RJ45
safe & reliable

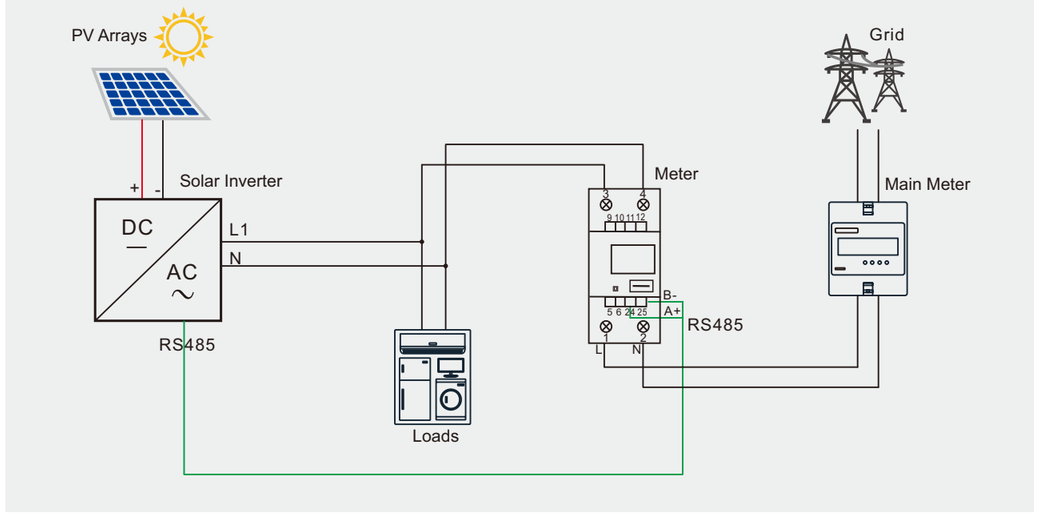
Remote
control support

Datasheet

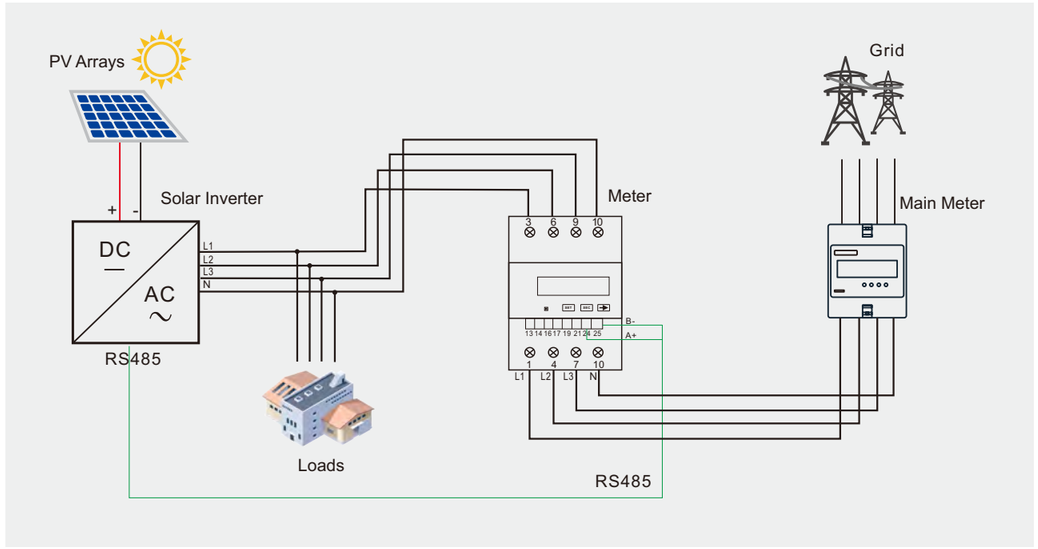
General parameters	
Connecting inverters No. [set]	1
Inverter communication port	RS232
Remote communication port	Ethernet
Data collection interval [min]	1~30[Optional] ， 10[standard]
Firmware update method	Serial port / Remote
Access data method	Integrated webpage / Remote sever
Status display	3*LED
Electric parameter	
Input voltage	DC 5V (±5%)
Static consumption [W]	<0.6
Max. instant consumption [W]	<2
Environment	
Operating temperature range	-40℃~+85℃
Storage temperature range	-45℃~+90℃
Dimensions [H*W*D][mm]	116*65*27
Weight [g]	84
Ingress protection	IP65
Others	
Mounting method	Plug-in+Screw lock
Warranty [Year]	2

Zero Export Solution

Zero export solution aims to prevent solar systems from exporting excess power into grid, to ensure the quality and waveform of voltage subject to standards of local authorities. SAJ provides zero export solution to meet emerging technical requirements and various applications on site.



Smart meter mainly applies to the measurement and display of solar system parameters on electric circuit. Smart meter helps to realize real-time data reading by networking with inverter and eSolar Portal. Adopting a standard DIN35mm guide rail mounting and a modular design, smart meter is characterized with high precision, small volume, easy installation.



Smart Meters

Wi-Fi monitoring & export limitation

Plug-in connection RS485 wired communication

Zero-export & real-time adjustment

App available real-time monitoring

Remote control support

Datasheet

Type	DDSU666	DTSU666
Electrical characteristics		
Application	Single phase	Three phase
Nominal voltage [V]	220,230,240	3×220/380
Operating range	0.7~1.2Un	0.7~1.2Un
Max. current [A]	80	80
Frequency/Range [Hz]	50,60/±5	50,60/±5
Power consumption [W]	≤1	≤1
Max. instant consumption [VA]	≤5	≤5
Physical parameters		
Display	LCD	LCD
Communication	RS485	RS485
Operating temperature range	-40°C~60°C	-40°C~60°C
Ambient humidity	0-95% Non-condensing	0-95% Non-condensing
Ingress protection	IP54	IP54
Installation method	mounting rack	mounting rack
Dimensions [H*W*D][mm]	98*36*65	98*72*65
Weight [kg]	0.2	0.4
Applicable standard	CE, ROHS	CE, ROHS

eSolar Portal

eSolar Portal is a cloud-based
data monitoring, remote maintenance & energy management ,
platform developed by SAJ.

- Real-time monitoring any time any where
- Push notification by email
- Error alarm and alarm follow-up functions
- Remote configuration & update
- Free monitoring platform
- Big TV screen for publication

eSolar Portal (Web)

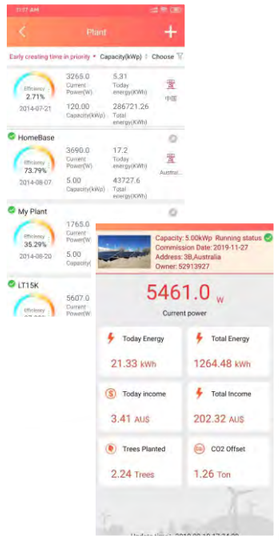
A web monitoring portal for all SAJ inverter users.

eSolar portal provides a platform to monitor load consumption in **24h**, assisting end users to take effective measures to save energy and reduce the cost of electricity.

- Digital dashboard for data visualization
- Faciliating partners' business promotion

eSolar O&M (APP)

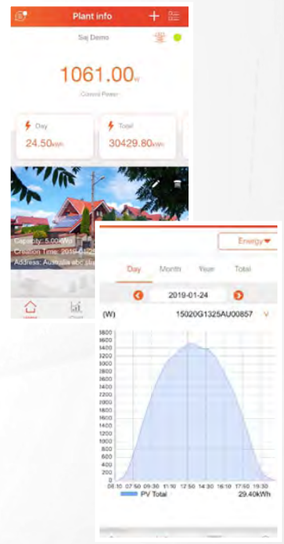
IOS/Android APP for installers.



- Remote configuration
- Error alarm push notification
- Trouble shooting instructions

eSolar Air (APP)

IOS/Android APP for end users.



- Easy to use
- User-friendly interface
- Real-time data monitoring & analysis

100kWp

Inverters: 8* R5-12K-T2
Address: Conghua Guangdong

14.03kWp

Inverters: 2* R5-7K-S2
Address: Foshan Guangdong

97.9kWp

Inverters: 1* Suntrio Plus 50K; 1* Suntrio Plus 40K
Address: Sweden

3.0MWp

Inverters: 60* Suntrio Plus 50K
Address: Maoming Guangdong

4.557MWp

Inverters: 90* Suntrio Plus 40K/50K
Address: Qingyuan Guangdong

1.6MWp

Inverters: 27* Suntrio Plus 50K
Address: Shangyou Jiangxi

8.36MWp

Inverters: 122*Suntrio Plus 50K; 39*Suntrio Plus 40K
Address: Pingshun Shanxi

1.8MWp

Inverters: 36*Suntrio Plus 50K
Address: Anqing Anhui

4.5MWp

Inverters: 90* Suntrio Plus 50K
Address: Shijiazhuang Hebei