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RESIDENTIAL & COMMERCIAL SOLAR SOLUTIONS

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Products are continuously updated and parameters are just for reference.

www.saj-electric.com

RESIDENTIAL & COMMERCIAL SOLAR SOLUTIONS

Whole series of on-grid inverters from 0.7-125kW
For residential & commercial solar systems



R5 Series Single/Three Phase Inverter

R5-0.7K/1K/1.5K/2K/2.5K/3K-S1-15

R5-3K/4K/5K/6K/7K/8K-S2-15

R5-4K/5K/6K/8K/9K/10K/12K-T2-15

R6 Series Three Phase Inverter

R6-15K/17K/20K/22K/25K-T2-32

R6-25K/30K/33K/36K-T3-32

R6-36K/40K/50K-T4-32

C6 Series String Inverter

C6-75K-T6

C6-100K-T9

C6-110K/125K-T12

R5 SERIES

SINGLE PHASE



R5-0.7K-S1-15 | R5-1K-S1-15 | R5-1.5K-S1-15
R5-2K-S1-15 | R5-2.5K-S1-15 | R5-3K-S1-15

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

Model	R5-0.7K-S1-15	R5-1K-S1-15	R5-1.5K-S1-15	R5-2K-S1-15	R5-2.5K-S1-15	R5-3K-S1-15
Input (DC)						
Max. PV Array Power [Wp]@STC	1050	1500	2250	3000	3750	4500
Max. Input Voltage [V]	450			500		
MPPT Voltage Range [V]	40-425			50-450		
Nominal Input Voltage [V]	360					
Start-up Voltage [V]	40			50		
Min. Input Voltage [V]	40					
Max. Input Current [A]	15					
Max. DC Short Circuit Current [A]	18					
No. of Strings per MPPT	1					
No. of MPPT	1					
DC Switch	Integrated					
Output (AC)						
Rated AC Output Power [W]	700	1000	1500	2000	2500	3000
Max. Apparent Power ¹ [VA]	770	1100	1650	2200	2750	3300
Rated AC Output Current [A]@230Vac	3.1	4.4	6.6	8.7	10.9	13.1
Max. AC Output Current [A]	3.5	5.0	7.5	10	12.5	15
Nominal AC Voltage/ Range [V]	220,230,240/180-280					
Nominal AC Grid Frequency/ Range [Hz]	50,60 / 45-55,55-65					
Total Distortion Harmonic [THDi]	<2%					
Power Factor [cos φ]	0.8 leading~0.8 lagging					
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 Resistance Detection	Integrated					
Grid Monitoring	Integrated					
AC Short Circuit Current Protection	Integrated					
AC Grounding Detection	Integrated					
GFCI Monitoring	Integrated					
DCI Monitoring	Integrated					
DC Surge Protection	Type III					
AC Surge Protection	Type III / Type II (Optional)					
Thermal Protection	Integrated					
Anti-island Protection	AFD					
Interface						
DC Connection	MC4					
AC Connection	Plug-in Connector					
Display	LED+(Bluetooth/Wi-Fi+APP)					
Communication Port	RS232(USB)+RS485(RJ45)+DRM					
Communication	Wi-Fi/Ethernet/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*142					
Weight [kg]	7.2			7.5		
Warranty [Year]	5/10/15/20					
Certifications	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: ¹According to C10/C11, Max. Apparent Power= Rated AC Power.


R5 SERIES


SINGLE PHASE





R5-3K-S2-15 | R5-3.6K-S2-15 | R5-4K-S2-15
 R5-5K-S2-15 | R5-6K-S2-15 | R5-7K-S2-15
 R5-8K-S2-15

 Lightning protection, High precision leakage monitoring

 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

Model	R5-3K-S2-15	R5-3.6K-S2-15	R5-4K-S2-15	R5-5K-S2-15	R5-6K-S2-15	R5-7K-S2-15	R5-8K-S2-15
Input (DC)							
Max. PV Array Power [Wp]@STC	4500	5400	6000	7500	9000	10500	12000
Max. Input Voltage [V]	600						
MPPT Voltage Range [V]	90-550						
Nominal Input Voltage [V]	360						
Start-up Voltage [V]	100						
Min. Input Voltage [V]	80						
Max. Input Current [A]	15/15			30/15			
Max. DC Short Circuit Current [A]	18/18			36/18			
No. of Strings per MPPT	1/1			2/1			
No. of MPPT	2						
DC Switch	Integrated						
Output (AC)							
Rated AC Output Power [W]	3000	3680	4000	5000	6000	7000	8000
Max. Apparent Power ¹ [VA]	3300	3680	4400	5500	6000	7700	8000
Rated AC Output Current [A]@230Vac	13.1	16.0	17.4	21.8 ²	26.1	30.5	34.8
Max. AC Output Current [A]	15.0	16.7	20.0	25.0	27.3	35.0	36.4
Nominal AC Voltage/ Range [V]	220,230,240/180-280						
Nominal AC Grid Frequency/ Range [Hz]	50,60 / 45-55,55-65						
Total Distortion Harmonic [THDi]	<2%						
Power Factor [cos φ]	0.8 leading~0.8 lagging						
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 Resistance Detection	Integrated						
Grid Monitoring	Integrated						
AC Short Circuit Current Protection	Integrated						
AC Grounding Detection	Integrated						
GFCI Monitoring	Integrated						
DCI Monitoring	Integrated						
DC Surge Protection	Type III						
AC Surge Protection	Type III						
Thermal Protection	Integrated						
Anti-island Protection	AFD						
Interface							
DC Connection	MC4						
AC Connection	Plug-in Connector					Terminal Block	
Display	LED+(Bluetooth/Wi-Fi+APP)						
Communication Port	RS232(USB)+RS485(RJ45)						
Communication	Wi-Fi/Ethernet/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]	389*367*143					429*418*177	
Weight [kg]	12.2					18	
Warranty [Year]	5/10/15/20						
Certifications	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: ¹According to C10/C11, Max. Apparent Power= Rated AC Power.


²According to VDE-ARN-N 4105, Rated AC Current for R5-5K-S2-15 is 20A; According to AS4777.2, Rated AC Current for R5-5K-S2-15 is 21.7A.


R5 SERIES


THREE PHASE





R5-3K-T2-15 | R5-4K-T2-15 | R5-5K-T2-15
 R5-6K-T2-15 | R5-8K-T2-15 | R5-9K-T2-15
 R5-10K-T2-15 | R5-12K-T2-15

 Lightning protection, High precision leakage monitoring

 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

Model	R5-3K-T2-15	R5-4K-T2-15	R5-5K-T2-15	R5-6K-T2-15	R5-8K-T2-15	R5-9K-T2-15	R5-10K-T2-15	R5-12K-T2-15
Input (DC)								
Max. PV Array Power [Wp]@STC	4500	6000	7500	9000	12000	13500	15000	18000
Max. Input Voltage [V]	1100							
MPPT Voltage Range [V]	160-950							
Nominal Input Voltage [V]	600							
Start-up Voltage [V]	180							
Min. Input Voltage [V]	150							
Max. Input Current [A]	15/15							
Max. DC Short Circuit Current [A]	18/18							
No. of Strings per MPPT	1/1							
No. of MPPT	2							
DC Switch	Integrated							
Output (AC)								
Rated AC Output Power [W]	3000	4000	5000	6000	8000	9000	10000	12000
Max. Apparent Power ¹ [VA]	3300	4400	5500	6600	8800	9900	11000	12000
Rated AC Output Current [A]@230Vac	4.4	5.8	7.3	8.7	11.6	13.1	14.5	17.4
Max. AC Output 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							
Nominal AC Grid Frequency/ Range [Hz]	50,60 / 45-55,55-65							
Total Distortion Harmonic [THDi]	<2%							
Power Factor [cos φ]	0.8 leading~0.8 lagging							
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 Resistance Detection	Integrated							
Grid Monitoring	Integrated							
AC Short Circuit Current Protection	Integrated							
AC Grounding Detection	Integrated							
GFCI Monitoring	Integrated							
DCI Monitoring	Integrated							
DC Surge Protection	Type III							
AC Surge Protection	Type III							
Thermal Protection	Integrated							
Anti-island Protection	AFD							
Interface								
DC Connection	MC4							
AC Connection	Plug-in Connector							
Display	LED+(Bluetooth/Wi-Fi+APP)							
Communication Port	RS232(USB)+RS485(RJ45)+DRM							
Communication	Wi-Fi/Ethernet/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 (45°C to 60°C with derating)							
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							
Warranty [Year]	5/10/15/20							
Certifications	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. Apparent Power= Rated AC Power.

R6 SERIES


THREE PHASE



R6-15K-T2-32 | R6-17K-T2-32 | R6-20K-T2-32
R6-22K-T2-32 | R6-25K-T2-32


AFCI AFCI (Optional)

16A String current up to 16A

 Max. Efficiency 98.8%

 Built-in AC & DC SPD

110% 110% AC overloading

 24/7 load monitoring (Optional)

Model	R6-15K-T2-32	R6-17K-T2-32	R6-20K-T2-32	R6-22K-T2-32	R6-25K-T2-32
Input (DC)					
Max. PV Array Power [Wp]@STC	22500	25500	30000	33000	37500
Max. Input Voltage [V]	1100				
MPPT Voltage Range [V]	180~1000				
Nominal Input Voltage [V]	600				
Start-up Voltage [V]	200				
Max. Input Current [A]	32/32				
Max. DC Short Circuit Current [A]	38.4/38.4				
No. of Strings per MPPT	2/2				
No. of MPPT	2				
Output (AC)					
Rated AC Output Power [W]	15000	17000	20000	22000	25000
Max. Apparent Power [VA]	16500	18700	22000	24200	27500
Rated AC Output Current [A]@230Vac	21.7	24.6	29	31.9	36.2
Max. AC Output Current [A]	25	28.3	33.3	36.7	41.7
Nominal AC Voltage/ Range [V]	3L+N+PE, 220/380, 230/400, 240/415; 180-280/312-485				
Nominal AC Grid Frequency/ Range [Hz]	50, 60 / 44-55, 54-65				
Total Distortion Harmonic [THDi]	<3%				
Power Factor [cos φ]	0.8 leading~0.8 lagging				
Efficiency					
Max. Efficiency	98.8%				
Euro Efficiency	98.5%				
Protection					
DCI Monitoring	Integrated				
GFCI Monitoring	Integrated				
Grid Monitoring	Integrated				
AC Grounding Detection	Integrated				
AC Short Circuit Current Protection	Integrated				
DC Insulation Resistance Detection	Integrated				
DC Surge Protection	Type III				
AC Surge Protection	Type III				
Anti-islanding Protection	AFD				
AFCI Protection	Optional				
Interface					
AC Connection	Terminal Block				
DC Connection	MC4				
Display	LED+APP (Bluetooth)				
Communication Port	RS232+RS485 (RJ45)+DRM(RJ45)				
Communication	Wi-Fi/Ethernet/4G				
Load Monitoring	24/7 (Optional)				
General Data					
Topology	Transformerless				
Consumption at Night [W]	<0.6				
Operating Temperature Range	-40°C to +60°C (45°C to 60°C with derating)				
Cooling Method	Intelligent Fan Cooling				
Ambient Humidity	0%~100% Non-condensing				
Altitude	4000m (>3000m Power Derating)				
Noise [dBA]	<50				
Ingress Protection	IP65				
Mounting	Rear Panel				
Dimensions [H*W*D] [mm]	409*558*234				
Weight [kg]	23.7				
Warranty [Year]	5/10/15/20				
Certifications	IEC/EN62109-1/2, EN61000-6-1/2/3/4, 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, G98/G99, NBR 16149, NBR 16150, C10/11,RD1669,UNE206006, UNE206007,EN50438				

R6 SERIES

THREE PHASE



R6-25K-T3-32 | R6-30K-T3-32 | R6-33K-T3-32
 R6-36K-T3-32 | R6-36K-T4-32 | R6-40K-T4-32
 R6-50K-T4-32

AFCI AFCI (Optional)

16A String current up to 16A

Max. Efficiency 98.8%

Built-in AC & DC SPD

110% 110% AC overloading

24/7 load monitoring (Optional)

Model	R6-25K-T3-32	R6-30K-T3-32	R6-33K-T3-32	R6-36K-T3-32	R6-36K-T4-32	R6-40K-T4-32	R6-50K-T4-32
Input (DC)							
Max. PV Array Power [Wp]@STC	37500	45000	49500	54000	54000	60000	75000
Max. Input Voltage [V]	1100						
MPPT Voltage Range [V]	180~1000						
Nominal Input Voltage [V]	600						
Start-up Voltage [V]	200						
Max. Input Current [A]	32/32/32				32/32/32/32		
Max. DC Short Circuit Current [A]	38.4/38.4/38.4				38.4/38.4/38.4/38.4		
No. of Strings per MPPT	2/2/2				2/2/2/2		
No. of MPPT	3				4		
Output (AC)							
Rated AC Output Power [W]	25000	30000	33000	36000	36000	40000	50000
Max. Apparent Power [VA]	27500	33000	36300	39600	39600	44000	50000
Rated AC Output Current [A]@230Vac	36.3	43.5	47.8	52.2	52.2	58	72.5
Max. AC Output Current [A]	41.7	50	55	60	60	66.7	75.8
Nominal AC Voltage/ Range [V]	3L+N+PE, 220/380, 230/400, 240/415; 180-280/312-485						
Nominal AC Grid Frequency/ Range [Hz]	50, 60 / 44-55, 54-65						
Total Distortion Harmonic [THDi]	<3%						
Power Factor [cos φ]	0.8 leading~0.8 lagging						
Efficiency							
Max. Efficiency	98.8%						
Euro Efficiency	98.5%						
Protection							
DCI Monitoring	Integrated						
GFCI Monitoring	Integrated						
Grid Monitoring	Integrated						
AC Grounding Detection	Integrated						
AC Short Circuit Current Protection	Integrated						
DC Insulation Resistance Detection	Integrated						
DC Surge Protection	Type II						
AC Surge Protection	Type III						
Anti-islanding Protection	AFD						
AFCI Protection	Optional						
Interface							
AC Connection	Terminal Block						
DC Connection	MC4						
Display	LED+APP (Bluetooth)						
Communication Port	RS232+RS485 (RJ45)+DRM(RJ45)						
Communication	Wi-Fi/Ethernet/4G						
Load Monitoring	24/7 (Optional)						
General Data							
Topology	Transformerless						
Consumption at Night [W]	<0.6						
Operating Temperature Range	-40°C to +60°C (45°C to 60°C with derating)						
Cooling Method	Intelligent Fan Cooling						
Ambient Humidity	0%~100% Non-condensing						
Altitude	4000m (>3000m Power Derating)						
Noise [dBA]	<50						
Ingress Protection	IP65						
Mounting	Rear Panel						
Dimensions [H*W*D] [mm]	473*659.4*240						
Weight [kg]	35.5				37		37.5
Warranty [Year]	5/10/15/20						
Certifications	IEC/EN62109-1/2, EN61000-6-1/2/3/4, 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, G98/G99, NBR 16149, NBR 16150, C10/11,RD1669,UNE206006, UNE206007,EN50438						

C6 SERIES STRING INVERTER



C6-75K-T6 | C6-100K-T9
C6-110K-T12 | C6-125K-T12

SAFE AND RELIABLE

- Type II AC & DC surge protection
- AFCI protection
- IP68 rated intelligent cooling fan
- IP66 & C5 Protection

SMART AND USER-FRIENDLY

- Smart IV curve scan and diagnosis
- Easy upgrade
- 24/7 load monitoring

ULTRA-HIGH ENERGY YIELD

- String current up to 15A
- Max. efficiency 99%
- Max. 12 MPP trackers

Model	C6-75K-T6	C6-100K-T9	C6-110K-T12	C6-125K-T12
Input (DC)				
Max. PV Array Power[kWp]@STC	112.5	150	165	180
Max. Input Voltage[V]	1100			
MPPT Voltage Range[V]	180~1000			
Nominal Input Voltage[V]	600			
Start-up Voltage[V]	200			
Min. Input Voltage[V]	180			
Max. Input Current[A]	6*30	9*30	12*30	
Max. DC Short Circuit Current [A]	6*45	9*45	12*45	
No. of strings per MPPT	2			
No. of MPPT	6	9	12	
DC Switch	Integrated			
Output (AC)				
Rated AC Power [kW]	75	100	110	125
Max. Apparent Power*[kVA]	82.5	110	121	125
Max. AC Apparent Power[kVA]	82.5	110	121	125
Rated AC Output Current[A]	108.3	144.3	158.8	180.4
Max. AC Output Current[A]	119.1	158.8	174.6	180.4
Nominal AC Voltage[V]	3L+N+PE/3L+PE,230/400			
Nominal AC Grid Frequency/ Range[Hz]	50, 60 / 44-55, 54-65			
Total Distortion Harmonic[THDI]	<3%			
Power Factor [cos φ]	0.8 leading~0.8 lagging			
Efficiency				
Max. Efficiency	98.8%			
Euro. Efficiency	98.5%			
Protection				
PV String Current Monitoring	Integrated			
Internal Temperature Detection	Integrated			
Residual Current Monitoring Unit	Integrated			
DC Insulation Resistance Detection	Integrated			
Anti-islanding Protection	Integrated			
DC Reverse Polarity Protection	Integrated			
DC Surge Protection	Type II			
AC Surge Protection	Type II			
AC Overcurrent Protection	Integrated			
AC Short Circuit Current Protection	Integrated			
AC Overvoltage Protection	Integrated			
AFCI Protection	Optional			
PID Recovery	Optional			
Interface				
AC Connection	OT/DT Terminal (Max. 240 mm ²)			
DC Connection	MC4			
Display	LED+APP (Bluetooth)			
Communication Port	RS232+RS485			
Communication	Wi-Fi/Ethernet/4G/PLC (Optional)			
General Data				
Topology	Transformerless			
Consumption at Night [W]	<2			
Operating Temperature Range	-40°C to +60°C (45°C to 60°C with derating)			
Cooling Method	Intelligent Fan Cooling			
Ambient Humidity	0%~100% Non-condensing			
Altitude	4000 (>3000 Power Derating)			
Noise[dBA]	<60			
Ingress Protection	IP66			
Mounting	Wall Mounting			
Dimensions[H*W*D][mm]	660*1045*364			
Weight[kg]	93		98	
Warranty[Year]	5/10/15/20			
Certifications	EN 50549, IEC/EN62109-1/2, EN61000-6-1/2/3/4, ABNT NBR 16149:2013, ABNT NBR 16150:2013, ABNT NBR IEC 62116: 2012, CEI 0-21			

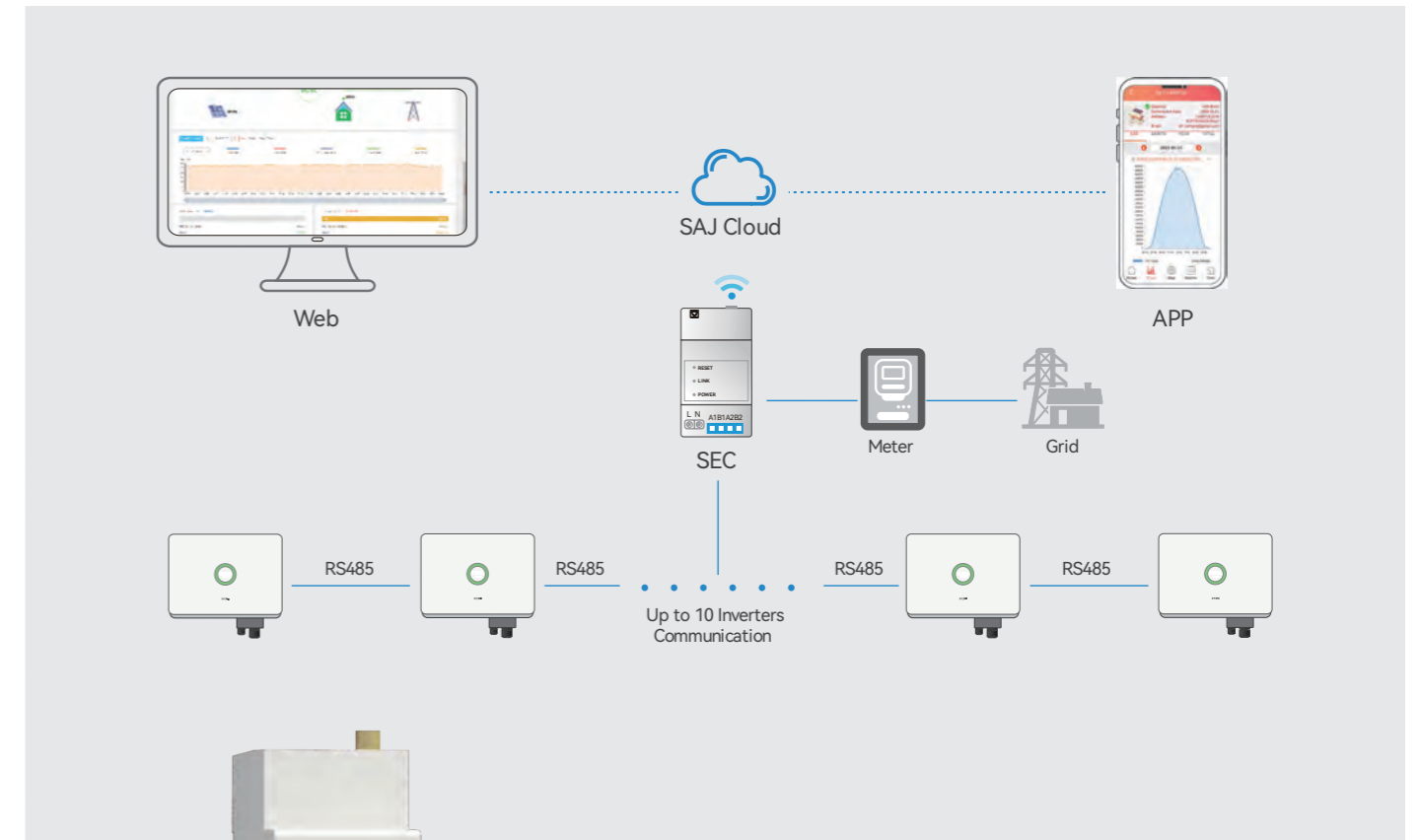
Remarks: *According to C10/C11, Max. Apparent Power= Rated AC Power.

DATA COLLECTOR



eSolar AIO3 | eSolar WiFi-D
eSolar 4G | eSolar GPRS

Model	eSolar AIO3	eSolar WiFi-D	eSolar 4G	eSolar GPRS (R5 Only)
General Parameters				
Connecting Inverters No. [Pcs]	1			
Inverter Communication Port	USB			
Communication	Wi-Fi/Ethernet/Bluetooth	Wi-Fi	4G/Bluetooth	GPRS/Bluetooth
Operating Frequency	2.4Ghz	2.4Ghz	LTE-TDD, LTE-FDD	850/900/1800/1900Mhz
Data Collection Interval [min]	0.5~30 [Optional], 5 [Standard]	1~30 [Optional], 10 [Standard]		
Firmware Update Method	Serial Port/ Remote			
Access Data Method	Integrated Webpage/ Remote Sever			
Display	OLED+LED	OLED+LED	LED	LED
Electrical Parameters				
Input Voltage	DC 5~7V (±5%)			
Static Consumption [W]	<0.3	<1	<0.25	<0.25
Max. Instant Consumption [W]	<8	<8	<18	<15
Environment				
Operating Temperature Range	-40°C~+60°C	-40°C~+85°C	-25°C~+75°C	-25°C~+75°C
Storage Temperature Range	-45°C~+70°C	-45°C~+90°C	-40°C~+90°C	-40°C~+90°C
Dimensions [H*W*D][mm]	145*50*41	125*50*41	125*53*31	125*53*31
Weight [g]	100	80	87	87
Ingress Protection	IP65			
Others				
Mounting Method	Plug-in + Screw Lock			
Warranty [Year]	2			



eSolar SEC

Model	eSolar SEC
General Parameters	
Application	Commercial Projects Monitoring
Max. No. of Connected Devices [Pcs]	10
Communication	Wi-Fi/ Ethernet/ Bluetooth/ RS485
Data Collection Interval [min]	1~30 [Optional], 10 [Standard]
Firmware Update Method	Serial Port / Remote
Data Access Method	APP/ Web/ Sever
Display	LED
Electrical Parameters	
Input Voltage	100~240Vac
Input Frequency	50/60Hz
Static Power [W]	<0.8
Max. Instantaneous Power [W]	<5
General Data	
Operating Temperature Range	-25°C~+60°C
Storage Temperature Range	-30°C~+70°C
Dimensions [H*W*D][mm]	84.4*36*65.5
Weight [g]	600
Ingress Protection	IP20
Others	
Mounting	Rail
Warranty [year]	2
Certification	CE RoHs

eSolar Portal

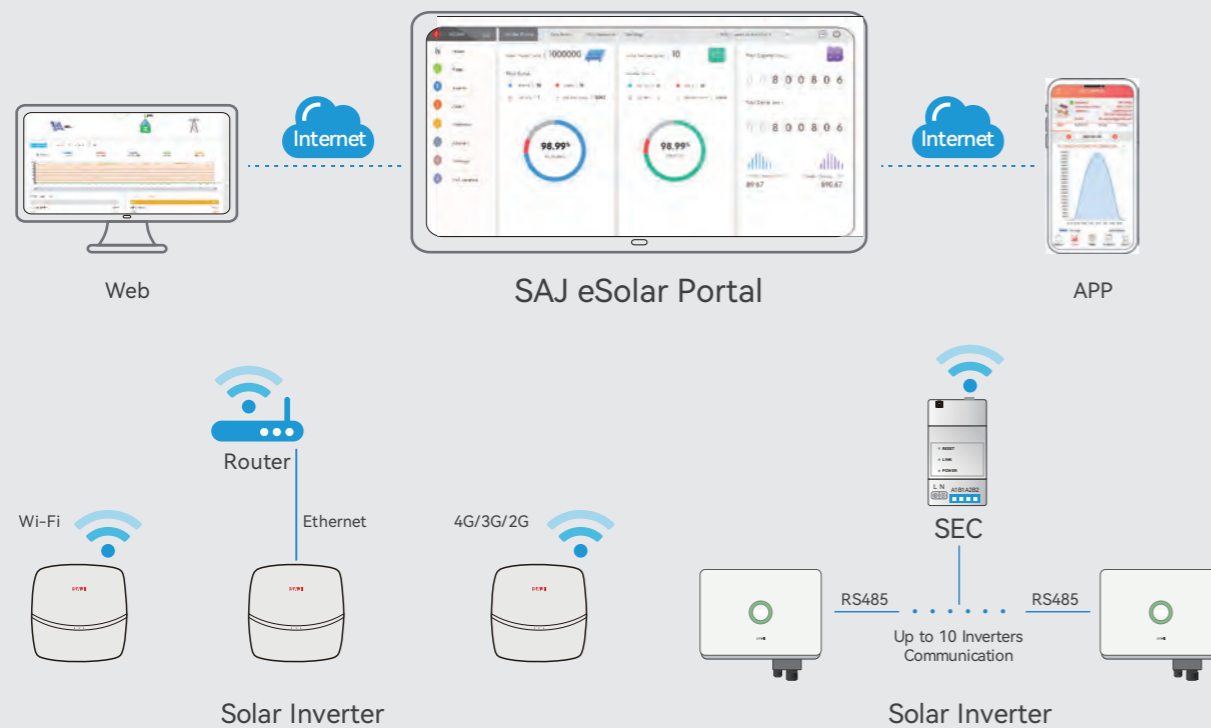
Data monitoring, Remote maintenance & Energy management



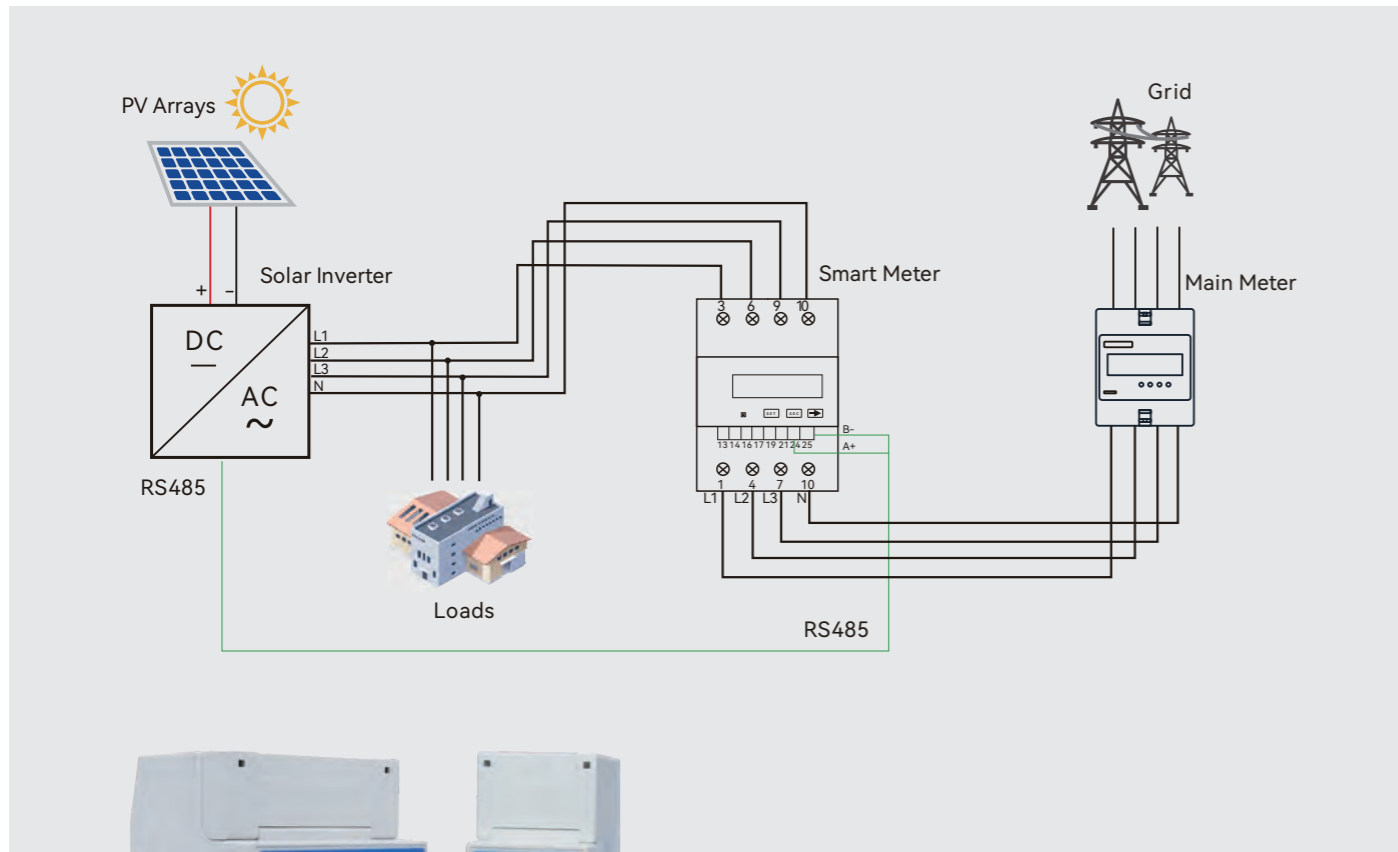
Smart Operation & Management

- Data exportable
- Alarm notification
- Data visualization
- PV plant(s) shareable
- 24H real-time data reading
- Remote setting & monitoring
- PV plant & device error detection
- Single / multiple plants monitoring available

Networking



Category	Function	eSolar Web	eSolar O&M	eSolar Air
Homepage	Plant Overview	●	●	●
	Data Summary	●	●	●
Plants Management	PV Plants List	●	●	●
	Add Plant	●	●	●
	Share Plant	●	●	●
Devices Management	Load Monitoring	●	●	●
	Devices List	●	●	●
	Device Details	●	●	●
Alarm Management	Remote Parameter Setting		●	●
	Alarm List	●	●	●
Statistics & Analysis	Alarm Details	●	●	●
	Plants Report	●		
	Devices Statistics	●		
Homepage of Single Plant	Visualized Dashboard	●		
	Power Monitoring	●	●	●
	Power Statistics	●	●	●
User Mangement	Visualized Draft	●	●	●
	Account Management	●	●	●
Device Setting	Bluetooth Connection Setting		●	●
	WiFi Connection Set Up		●	●
	Cloud Connection Setting		●	●
Designer	Designs List	●		
	Plant Design	●		
Demo	Demo Site	●	●	●



Smart Meters

Zero export solution aims to prevent solar systems from exporting excess power into the 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 sites. Smart meter measures and calculates the system electrical parameters and interacts with inverter for energy management and zero export control purposes.

Model	DDSU666	DTSU666
Electrical Parameters		
Application	Single phase	Three phase
Nominal Voltage [V]	220,230,240	3×220/380
Operating Range	0.7~1.2 Un	0.7~1.2 Un
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
General 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 [g]	200	400
Certification	CE, ROHS	CE, ROHS

Both internal CT meter and external CT are available

Commercial Solar Solutions



Plant capacity:
100kWp

Inverters: 8* R5-12K-T2
Location: Conghua, China



Plant capacity:
400kWp

Inverters: 37* R5-12K-T2
Location: Guangzhou, China

Rooftop Solar Solutions



Plant capacity:
5kWp

Inverters: R5-5K-S2
Location: Australia



Plant capacity:
8kWp

Inverters: R5-8K-S2
Location: Mexico



Plant capacity:
17kWp

Inverters: R5-17K-T2
Location: Sweden



Plant capacity:
20kWp

Inverters: R5-20K-T2
Location: Portugal