



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.



R5 Series Residential Solar Inverter

R5-3K/4K/5K/6K/8K/9K/10K/12K/13K/15K/17K/20K-T2,R5-10K-T2-B



-  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

R5-3K/4K/5K/6K/8K/9K/10K/12K/13K/15K/17K/20K-T2,R5-10K-T2-B

Type	R5-3K-T2	R5-4K-T2	R5-5K-T2	R5-6K-T2	R5-8K-T2	R5-9K-T2	R5-10K-T2	R5-10K-T2-B	R5-12K-T2	R5-13K-T2	R5-15K-T2	R5-17K-T2	R5-20K-T2	
Input (DC)														
Max.PV Array Power [Wp]@STC	4500	6000	7500	9000	12000	13500	15000	15000	15600	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]	150										160	180		
Max. DC Input Current [A]	12.5/12.5										25/12.5	25/25		
Number of DC Connection Sets per MPPT	1/1										2/1	2/2		
Number of MPPT						2								
DC Switch						Integrated								
Output (AC)														
Rated AC Power [W]	3000	4000	5000	6000	8000	9000	10000	10000	12000	13000	15000	17000	20000	
Max. AC Power [VA]	3300	4400	5500	6600	8800	9900	11000	10000	12000	14300	16500	18700	22000	
Rated AC Current [A]@230Vac	4.4	5.8	7.3	8.7	11.6	13.1	14.5	14.5	17.4	18.9	21.8	24.7	29.0	
Max. AC Current [A]	5.0	6.7	8.4	10.0	13.4	15.0	16.7	15.2	18.2	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	98.0%	98.3%	98.3%	98.6%	98.6%	98.6%	98.6%	98.6%	98.6%	98.7%	98.7%	98.8%	98.8%	
Euro Efficiency	97.6%	98.0%	98.0%	98.2%	98.2%	98.2%	98.3%	98.3%	98.3%	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	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]						<0.6								
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										480*440*200			
Weight [kg]	19										26			
Standard Warranty [Year]						5 (standard)/10/15/20/25 (Optional)								
Applicable Standard	CQC NB/T 32004,EN 62109-1/2,EN 61000-6-1/2/3/4 EN50438,EN50549,C10/C11,IEC 62116,IEC 61727,RD 1699,UNE 206006,UNE 206007-1,CEI0-21,CEI0-16,G98,G99													