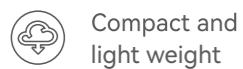


R5 SERIES

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

Manufacturer: Guangzhou Sanjing Electric Co., Ltd.


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	3250	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
Rated Apparent Power [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 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				AFD		
Interface						
DC Connection				MC4		
AC Connection				Plug-in Connector		
Display				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		
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 (standard)/10/15/20/25 (Optional)		
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		


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

Manufacturer: Guangzhou Sanjing Electric Co., Ltd.

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	4999	6000	7000	8000
Rated Apparent Power [VA]	3300	3680	4400	5000	6000	7700	8000
Rated AC Output Current [A]@230Vac	13.1	16.0	17.4	21.7	26.1	30.5	34.8
Max. AC Output Current [A]	15.0	16.7	20.0	22.7	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 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	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 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						
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 (standard)/10/15/20/25 (Optional)						
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						