

R5 SERIES

SINGLE PHASE INVERTER



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



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	R5-3.6K-S2	R5-4K-S2	R5-5K-S2	R5-5K-S2-B	R5-6K-S2	R5-6K-S2-1E	R5-7K-S2	R5-8K-S2
DC Input									
Max. PV Array Power [Wp]@STC	4500	5520	6000	7500	7500	9000	9000	10500	12000
Max. DC Voltage [V]	600								
MPPT Voltage Range [V]	90~550								
Rated DC Voltage [V]	360								
Start Voltage [V]	100								
Min. DC Voltage [V]	80								
Max. DC Input Current [A]	12.5/12.5							25/12.5	
Max. DC Short Circuit Current [A]	15/15							30/15	
No. of Strings per MPPT	1/1							2/1	
No. of MPPT	2								
DC Switch	Integrated								
AC Output									
Rated AC Power [W]	3000	3680	4000	5000	5000	6000	5500	7000	8000
Max. Apparent Power [VA]	3300	3680	4400	5500	5000	6000	5500	7700	8000
Rated Output Current [A]@230Vac	13.1	16.0	17.4	21.8	21.8	26.1	25.0	30.5	34.8
Max. Output Current [A]	14.4	16.0	19.2	23.9	21.8	26.1	25.0	33.5	34.8
Rated AC Voltage/Range [V]	L+N+PE, 220, 230, 240/180~280								
Rated Output 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	97.8%	98.0%	98.0%	98.1%	98.1%	98.2%	98.2%	98.2%	98.3%
Euro Efficiency	97.2%	97.5%	97.5%	97.6%	97.6%	97.6%	97.6%	97.7%	97.8%
MPPT Efficiency	>99.5%								
Protection									
Internal Overvoltage Protection	Integrated								
DC Insulation Resistance Detection	Integrated								
Grid Monitoring	Integrated								
GFCI Monitoring	Integrated								
DCI Monitoring	Integrated								
AC Short Circuit Current Protection	Integrated								
AC Grounding Detection	Integrated								
DC Surge Protection	Integrated								
AC Surge Protection	Integrated								
Thermal Protection	Integrated								
Anti-island protection monitoring	AFD								
Interface									
DC Connection	MC4/H4								
AC Connection	Plug-in Connector							Terminal Block	
Display	LED+APP								
Communication Port	RS232 (USB)+RS485 (RJ45)+DRM								
Communication	Wi-Fi/GPRS/4G (Optional)								
General Parameters									
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								
Applicable Standard	EN 62109-1/2, EN 61000-6-1/2/3/4, EN 50438, EN 50549, C10/11, IEC 62116, IEC 61727, RD 1699, RD 413, UNE 206006, UNE 206007, NTS, CEI 0-16, CEI 0-021, AS 4777.2, NBR 16149, NBR 16150 VDE-AR-N 4105, VDE 0126-1-1								

Products are continuously updated and parameters are just for references.

Made in China Manufacturer: SAJ