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

Manufacturer: Guangzhou Sanjing Electric Co., Ltd.

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
Rated Apparent Power [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 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℃ to +60℃							
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 (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, CEI 0-16, NBR 16149, NBR 16150, G98, G99							

Made in China