




R6 SERIES SINGLE PHASE INVERTER



R6-5K-S3 | R6-6K-S3 | R6-7K-S3 | R6-8K-S3
R6-9K-S3 | R6-9.9K-S3 | R6-10K-S3-A | R6-10K-S3

AFCI AFCI (Optional)

16A String current up to 16A

 Max. Efficiency 98.2%

 Built-in AC & DC SPD

 24/7 load monitoring (Optional)



MODEL	R6-5K-S3	R6-6K-S3	R6-7K-S3	R6-8K-S3	R6-9K-S3	R6-9.9K-S3	R6-10K-S3-A	R6-10K-S3
DC Input								
Max. PV Array Power [Wp]@STC	7500	9000	10500	12000	13500	15000	15000	15000
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]	16/16/16							
Max. DC Short Circuit Current [A]	19.2/19.2/19.2							
No. of Strings per MPPT	1/1/1							
No. of MPPT	3							
Overvoltage Category (OVC)	II							
DC Switch	Integrated							
AC Output								
Rated AC Power [W]	4999	6000	7000	8000	9000	9999	9999	10000
Rated Apparent Power [VA]	4999	6000	7000	8000	9000	9999	9999	10000
Max. Apparent Power [VA]	4999	6600	7700	8800	9900	9999	9999	10000
Rated AC Output Current [A]	21.7	26.1	30.5	34.8	39.2	43.5	43.5	43.5
Max. AC Current [A]	21.7	28.7	33.5	38.3	43.1	43.5	43.5	43.5
Current Inrush [A]	30							
Max. AC Fault Current [A]	65				100			
Max. AC Over Current Protection [A]	53				76			
Rated AC Voltage/Range [V]	L+N+PE, 220, 230, 240:180~280							
Rated Output Frequency/Range [Hz]	50, 60 / 44-55, 54-65							
Power Factor [cos φ]	0.8 leading~0.8 lagging							
Total Harmonic Distortion [THDi]	<3%							
Overvoltage Category (OVC)	III							
Efficiency								
Max. Efficiency	98.2%							
Euro Efficiency	97.8%							
Protection								
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	Type II							
AC Surge Protection	Type III (type II optional)							
Overheat Protection	Integrated							
Anti-islanding Protection	AFD							
AFCI Protection	Optional							
Interface								
DC Connection	MC4/D4							
AC Connection	Quick connector							
Display	LED+APP							
Communication Port	RS232+RJ45+DRM							
Communication	Wi-Fi/Ethernet/4G/PLC (optional)							
Load Monitoring	Whole day (optional)							
General Parameters								
Topology	Non-isolated							
Consumption at Night [W]	<1							
Consumption at Standby [W]	<8							
Operating Temperature Range	-40°C~+60°C (>45°C derating)							
Cooling Method	Natural Convection							
Ambient Humidity	0%~100%							
Altitude	4000m (>3000m derating)							
Noise [dBA]	<35							
Protective Class	Class I							
Ingress Protection	IP65							
Mounting	Wall Mounting							
Dimensions [H*W*D] [mm]	391*532*202							
Weight [kg]	17.3				18			
Warranty [Year]	Refer to the warranty policy							
Applicable Standard	IEC/EN62109-1/2, EN61000-6-1/2/3/4, IEC61683, IEC60068-2, IEC62116, IEC61727, EA/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							

Products are continuously updated and parameters are just for references.

Made in China Manufacturer: Guangzhou Sanjing Electric Co.,Ltd.