R6 SERIES

THREE PHASE INVERTER





R6-3K-T2-AUS | R6-4K-T2-AUS | R6-5K-T2-AUS
R6-6K-T2-AUS | R6-8K-T2-AUS | R6-10K-T2-AUS
R6-12K-T2-AUS | R6-15K-T2-AUS

AFCI AFCI (Optional)	**16A** String current up to 16A	Max. Efficiency 98.6%
Built-in AC & DC SPD	**110%** 110% AC overloading	Safety & Reliability

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MODEL	R6-3K-T2-AUS	R6-4K-T2-AUS	R6-5K-T2-AUS	R6-6K-T2-AUS	R6-8K-T2-AUS	R6-10K-T2-AUS	R6-12K-T2-AUS	R6-15K-T2-AUS
DC Input								
Max. PV Array Power [Wp]@STC	4500	6000	7500	9000	12000	15000	18000	22500
Max. DC Voltage [V]	1100							
MPPT Voltage Range [V]	160 ~ 950							
Rated DC Voltage [V]	600							
Start Voltage [V]	180							
Min. DC Voltage [V]	150							
Max. DC Input Current [A]	16/16							
Max. DC Short Circuit Current [A]	19.2/19.2							
No. of Strings per MPPT	1/1							
No. of MPPT	2							
Overvoltage Category (OVC)	II							
DC Switch	Integrated							
AC Output								
Rated AC Power [W]	3000	4000	5000	6000	8000	9999	12000	15000
Rated Apparent Power [VA]	3000	4000	5000	6000	8000	9999	12000	15000
Max. Apparent Power [VA]	3000	4000	5000	6000	8000	9999	12000	15000
Rated AC Output Current [A]	4.4	5.8	7.3	8.7	11.6	14.5	17.4	21.8
Max. AC Output Current [A]	4.4	5.8	7.3	8.7	11.6	14.5	17.4	21.8
Current Inrush [A]	60							
Max. AC Fault Current [A]	23.5				37.8		51.3	
Max. AC Over Current Protection [A]	28.4				45.4		61.5	
Rated AC Voltage/Range [V]	3+N+PE, 220/380, 230/400, 240/415; 180 ~ 280/312 ~ 485							
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]	<3%							
Overvoltage Category (OVC)	III							
Efficiency								
Max. Efficiency	98.2%	98.5%	98.5%	98.5%	98.6%	98.6%	98.6%	98.6%
Euro Efficiency	97.8%	98.2%	98.2%	98.2%	98.3%	98.3%	98.4%	98.4%
Protection								
Overvoltage Protection	Integrated							
DC Insulation Rsistance 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							
overheating Protection	Integrated							
Anti-islanding Protection	AFD							
AFCI Protection	Optional							
Interface								
DC Connection	D4/MC4 (Optional)							
AC Connection	Plug-in Connector							
Display	LED+APP							
Communication Port	RS232(USB)+RS485(RJ45)+DRM							
Communication	Wi-Fi/Ethernet/4G(Optional)							
General Parameters								
Topology	Non-isolated							
Consumption at Night [W]	<1							
Operating Temperature Range	-40℃ to +60℃ (45℃ to 60℃ with derating)							
Cooling Method	Natural Convection							
Ambient Humidity	0-100% Non-condensing							
Altitude	4000m (>3000m Power Derating)							
Noise [dBA]	<35							
Protective Class	Class I							
Ingress Protection	IP65							
Mounting	Wall Mounting							
Dimensions [H*W*D] [mm]	391*532*190							
Weight [kg]	15							
Warranty [Year]	Refer to the warranty policy							
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 O-021, AS 4777.2, NBR 16149, NBR 16150 VDE-AR-N 4015, VDE 0126-1-1							

Products are continuously updated and parameters are just for reference.
Made in China Manufacturer: Guangzhou Sanjing Electric Co.,Ltd