

R6

30-50kW | THREE PHASE | 3~4 MPPT

R6-30K/33K/36K/-T3-32

R6-40K/50K-T4-32



AFCI AFCI (Optional)

16A String current up to 16A

Max. Efficiency 98.8%

Built-in AC & DC SPD

110% 110% AC overloading

24/7 load monitoring (Optional)

R6-30K/33K/36K-T3-32 R6-40K/50K-T4-32

Model	R6-30K-T3-32	R6-33K-T3-32	R6-36K-T3-32	R6-40K-T4-32	R6-50K-T4-32
Input (DC)					
Max. PV Array Power [Wp]@STC	45000	49500	54000	60000	75000
Max. Input Voltage [V]	1100				
MPP Voltage Range [V]	180 ~ 1000				
Nominal Input Voltage [V]	600				
Start-up Voltage [V]	200				
Max. Input Current [A]	32/32/32			32/32/32/32	
Number of MPP Trackers	3			4	
Number of Strings per MPP Tracker	2/2/2			2/2/2/2	
Output (AC)					
Rated AC Output Power [W]	30000	33000	36000	40000	50000
Max. AC Output Power [VA]	33000	36300	39600	44000	50000
Rated AC Output Current [A]@230Vac	43.5	47.8	52.2	58	72.5
Max. AC Output Current [A]	50	55	60	66.7	75.8
Nominal AC Voltage/ Range [V]	3L+N+PE, 220/380, 230/400, 240/415; 180-280/312-485				
Nominal AC Grid Frequency/ Range [Hz]	50, 60 / 44-55, 54-65				
Total Distortion Harmonic [THDi]	<3%				
Power Factor	0.8 leading ~ 0.8 lagging				
Feed-in Phases/AC Connection Phases	3/3				
Efficiency					
Max. Efficiency	98.8%				
Euro Efficiency	98.5%				
Protection					
DCI Monitoring	Integrated				
GFCI Monitoring	Integrated				
Grid Monitoring	Integrated				
AC Grounding Detection	Integrated				
AC Short-Circuit Protection	Integrated				
DC Insulation Resistance Detection	Integrated				
DC Surge Protection	Type II				
AC Surge Protection	Type III				
Anti-islanding Protection	AFD				
AFCI Protection	Optional				
Interface					
AC Connection	Terminal Block				
DC Connection	MC4				
Display	LED+APP (Bluetooth)				
Communication Port	RS232+RS485 (RJ45)+DRM(RJ45)				
Communication Mode	Wi-Fi/Ethernet/4G				
Load Monitoring	24/7 (Optional)				
General Data					
Topology	Transformerless				
Nighttime Power Consumption [W]	<0.6				
Operating Temperature Range	-40°C ~ +60°C				
Cooling Method	Intelligent Fan Cooling				
Ambient Humidity	0% ~ 100% non-condensing				
Max. Operating Altitude	4000m (>3000m power derating)				
Noise [dBA]	<50				
Ingress Protection	IP65				
Mounting	Rear Panel				
Dimensions [H*W*D] [mm]	670*450*245				
Weight [kg]	34.5			35.5	36
Warranty [Year]	5 (Standard)/10/15/20/25 (Optional)				
Certifications	IEC/EN62109-1/2, EN61000-6-1/2/3/4, IEC61683, IEC60068-2, IEC62116, IEC61727, PEA/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				



R6 ROOFTOP SOLAR INVERTER



R6

15-25kW | THREE PHASE | 2 MPPT

R6-15K/17K/20K/22K/25K-T2-32



AFCI

AFCI
(Optional)

16A String current
up to 16A



Max. Efficiency 98.8%



Built-in
AC & DC SPD

110% 110% AC
overloading



24/7 load
monitoring (Optional)

R6-15K/17K/20K/22K/25K-T2-32

Model	R6-15K-T2-32	R6-17K-T2-32	R6-20K-T2-32	R6-22K-T2-32	R6-25K-T2-32
Input (DC)					
Max. PV Array Power [Wp]@STC	22500	25500	30000	33000	37500
Max. Input Voltage [V]	1100				
MPP Voltage Range [V]	180 ~ 1000				
Nominal Input Voltage [V]	600				
Start-up Voltage [V]	200				
Max. Input Current [A]	32/32				
Number of MPP Trackers	2				
Number of Strings per MPP Tracker	2/2				
Output (AC)					
Rated AC Output Power [W]	15000	17000	20000	22000	25000
Max. AC Output Power [VA]	16500	18700	22000	24200	27500
Rated AC Output Current [A]@230Vac	21.7	24.6	29	31.9	36.2
Max. AC Output Current [A]	25	28.3	33.3	36.7	41.7
Nominal AC Voltage/ Range [V]	3L+N+PE, 220/380, 230/400, 240/415; 180-280/312-485				
Nominal AC Grid Frequency/ Range [Hz]	50, 60 / 44-55, 54-65				
Total Distortion Harmonic [THDI]	<3%				
Power Factor	0.8 leading ~ 0.8 lagging				
Feed-in Phases/AC Connection Phases	3/3				
Efficiency					
Max. Efficiency	98.8%				
Euro Efficiency	98.5%				
Protection					
DCI Monitoring	Integrated				
GFCI Monitoring	Integrated				
Grid Monitoring	Integrated				
AC Grounding Detection	Integrated				
AC Short-Circuit Protection	Integrated				
DC Insulation Resistance Detection	Integrated				
DC Surge Protection	Type III				
AC Surge Protection	Type III				
Anti-islanding Protection	AFD				
AFCI Protection	Optional				
Interface					
AC Connection	Terminal Block				
DC Connection	MC4				
Display	LED+APP (Bluetooth)				
Communication Port	RS232+RS485 (RJ45)+DRM(RJ45)				
Communication Mode	Wi-Fi/Ethernet//4G				
Load Monitoring	24/7 (Optional)				
General Data					
Topology	Transformerless				
Nighttime Power Consumption [W]	<0.6				
Operating Temperature Range	-40°C ~ +60°C				
Cooling Method	Intelligent Fan Cooling				
Ambient Humidity	0% ~ 100% non-condensing				
Max. Operating Altitude	4000m (>3000m power derating)				
Noise [dBA]	<50				
Ingress Protection	IP65				
Mounting	Rear Panel				
Dimensions [H*W*D] [mm]	558*409*234				
Weight [kg]	23.5				
Warranty [Year]	5 (Standard)/10/15/20/25 (Optional)				
Certifications	IEC/EN62109-1/2, EN61000-6-1/2/3/4, IEC61683, IEC60068-2, IEC62116, IEC61727, PEA/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				

Guangzhou Sanjing Electric Co.,Ltd. (Headquarter)

Add: SAJ Innovation Park, No.9, Lizhishan Road, Science City, Guangzhou High-tech Zone, Guangdong, China.
E-mail: info@saj-electric.com Tel: +86 400-960-0112 Fax: +86 020-66608589 Web: www.saj-electric.com

Jiangxi Sanjing Electric Co., Ltd. (Factory)

Add: International Port Electronic Info. Industrial Park, Nankang District, Ganzhou City, Jiangxi, China.
Tel: +86 0797 7280111 Fax: +86 0797 7280101

SAJ Electric Europe BV
Add: Maagdenstraat 44, 9600 Ronse, Belgium
E-mail: service.eu@saj-electric.com

SAJ Poland
Add: Rakowicka 22D/202, 31-511, Krakow, Poland
E-mail: poland@saj-electric.com

SAJ Italy
Add: 53016 Murlo, Siena, Italy
E-mail: italy@saj-electric.com

SAJ Spain
Add: Calle Almansa, 1, Madrid, Spain
E-mail: spain@saj-electric.com

SAJ Netherlands
Add: Venneveld 44, 4705 RR Roosendaal, Netherlands
E-mail: orders.nl@saj-electric.com

SAJ Brazil
Add: Av. Adília Barbosa Neves, 2111 - Jordanópolis,
Arujá - SP, Brazil
E-mail: brasil@saj-electric.com

SAJ Australia
Add: 17 Silicon Pl, Tullamarine VIC 3043, Australia
E-mail: info@saj-electric.com.au

SAJ India
Add: 44, Ganeshpark, Near rameshwar estate,
viratnager, Odhav, Ahmedabad, Gujarat, India
E-mail: india@saj-electric.com

