

R6 SERIES


THREE PHASE



R6-5K-T2-32-LV | R6-6K-T2-32-LV | R6-8K-T2-32-LV
R6-10K-T2-32-LV | R6-15K-T2-32-LV


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)

Model	R6-5K-T2-32-LV	R6-6K-T2-32-LV	R6-8K-T2-32-LV	R6-10K-T2-32-LV	R6-15K-T2-32-LV
Input (DC)					
Max. PV Array Power [Wp]@STC	7500	9000	12000	15000	22500
Max. Input Voltage [V]	1100				
MPPT Voltage Range [V]	180~1000				
Nominal Input Voltage [V]	600				
Start-up Voltage [V]	200				
Max. Input Current [A]	32/32				
Max. DC Short Circuit Current [A]	38.4/38.4				
No. of Strings per MPPT	2/2				
No. of MPPT	2				
Output (AC)					
Rated AC Output Power [W]	5000	6000	8000	10000	15000
Max. Apparent Power [VA]	5500	6600	8800	11000	15000
Rated AC Output Current [A]@230Vac	13.1	15.7	21	26.2	39.4
Max. AC Output Current [A]	14.4	17.3	23.1	28.9	39.4
Nominal AC Voltage/ Range [V]	127V(F-N)/220V(F-F); 101.6-139.7(F-N)				
Nominal AC Grid Frequency/ Range [Hz]	50, 60 / 44-55, 54-65				
Total Distortion Harmonic [THDi]	<3%				
Power Factor [cos φ]	0.8 leading~0.8 lagging				
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 Current 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	Wi-Fi/Ethernet/4G				
Load Monitoring	24/7 (Optional)				
General Data					
Topology	Transformerless				
Consumption at Night [W]	<0.6				
Operating Temperature Range	-40°C~+60°C				
Cooling Method	Intelligent Fan Cooling				
Ambient Humidity	0%~100% Non-condensing				
Altitude	4000m (>3000m Power Derating)				
Noise [dBA]	<50				
Ingress Protection	IP65				
Mounting	Rear Panel				
Dimensions [H*W*D] [mm]	409*558*234				
Weight [kg]	23.7				
Warranty [Year]	5/10/15/20/25				
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 SERIES

THREE PHASE



R6-20K-T3-32-LV | R6-25K-T4-32-LV
R6-30K-T4-32-LV

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)

Model	R6-20K-T3-32-LV	R6-25K-T4-32-LV	R6-30K-T4-32-LV
Input (DC)			
Max. PV Array Power [Wp]@STC	30000	37500	45000
Max. Input Voltage [V]	1100		
MPPT 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	
Max. DC Short Circuit Current [A]	38.4/38.4/38.4	38.4/38.4/38.4/38.4	
No. of Strings per MPPT	2/2/2	2/2/2/2	
No. of MPPT	3	4	
Output (AC)			
Rated AC Output Power [W]	20000	25000	30000
Max. Apparent Power [VA]	22000	27500	30000
Rated AC Output Current [A]@230Vac	52.5	65.6	78.7
Max. AC Output Current [A]	57.7	72.2	78.7
Nominal AC Voltage/ Range [V]	127V(F-N)/220V(F-F); 101.6-139.7(F-N)		
Nominal AC Grid Frequency/ Range [Hz]	50, 60 / 44-55, 54-65		
Total Distortion Harmonic [THDi]	<3%		
Power Factor [cos φ]	0.8 leading~0.8 lagging		
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 Current 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	Wi-Fi/Ethernet/4G		
Load Monitoring	24/7 (Optional)		
General Data			
Topology	Transformerless		
Consumption at Night [W]	<0.6		
Operating Temperature Range	-40°C~+60°C		
Cooling Method	Intelligent Fan Cooling		
Ambient Humidity	0%~100% Non-condensing		
Altitude	4000m (>3000m Power Derating)		
Noise [dBA]	<50		
Ingress Protection	IP65		
Mounting	Rear Panel		
Dimensions [H*W*D] [mm]	473*659.4*240		
Weight [kg]	35.5	37.5	
Warranty [Year]	5/10/15/20/25		
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		

C6 SERIES STRING INVERTER



C6-50K-T9-LV | C6-60K-T9-LV
C6-70K-T12-LV

SAFE AND RELIABLE

- Type II AC & DC surge protection
- AFCI protection
- IP68 rated intelligent cooling fan
- IP66 & C5 Protection

COST SAVINGS

- Power line communication (PLC)
- SVG function
- Compatible with AI cables

ULTRA-HIGH ENERGY YIELD

- String current up to 15A
- Max. efficiency 99%
- PID recovery function
- Max. 12 MPP trackers

SMART AND USER-FRIENDLY

- Smart IV curve scan and diagnosis
- Easy upgrade
- 24/7 load monitoring

Model	C6-50K-T6-LV	C6-60K-T9-LV	C6-70K-T12-LV
Input (DC)			
Max. PV Array Power[kWp]@STC	75	90	105
Max. Input Voltage[V]	1100		
MPPT Voltage Range[V]	180~1000		
Nominal Input Voltage[V]	380		
Start-up Voltage[V]	200		
Min. Input Voltage[V]	180		
Max. Input Current[A]	6*30	9*30	12*30
Max. DC Short Circuit Current [A]	6*45	9*45	12*45
No. of strings per MPPT	2		
No. of MPPT	6	9	12
DC Switch	Integrated		
Output (AC)			
Rated AC Output Power[kW]	50	60	70
Max. Apparent Power[kVA]	55	60	70
Max. AC Apparent Power[kVA]	55	60	70
Rated AC Output Current[A]	131.2	157.5	183.7
Max. AC Output Current[A]	144.3	157.5	183.7
Nominal AC Voltage[V]	3L+N+PE/3L+PE,220		
Nominal AC Grid Frequency/ Range[Hz]	50, 60 / 44-55, 54-65		
Total Distortion Harmonic[THDi]	<3%		
Power Factor [cos φ]	0.8 leading~0.8 lagging		
Efficiency			
Max. Efficiency	98.8%		
Euro. Efficiency	98.5%		
Protection			
PV String Current Monitoring	Integrated		
Internal Temperature Detection	Integrated		
Residual Current Monitoring Unit	Integrated		
DC Insulation Resistance Detection	Integrated		
Anti-islanding Protection	Integrated		
DC Reverse Polarity Protection	Integrated		
DC Surge Protection	Type II		
AC Surge Protection	Type II		
AC Overcurrent Protection	Integrated		
AC Short Circuit Current Protection	Integrated		
AC Overvoltage Protection	Integrated		
AFCI Protection	Optional		
PID Recovery	Optional		
Interface			
AC Connection	OT/DT Terminal (Max. 240 mm ²)		
DC Connection	MC4		
Display	LED+APP (Bluetooth)		
Communication Port	RS232+RS485		
Communication	Wi-Fi/Ethernet/4G/PLC (Optional)		
General Data			
Topology	Transformerless		
Consumption at Night [W]	<2		
Operating Temperature Range	-40°C~+60°C		
Cooling Method	Intelligent Fan Cooling		
Ambient Humidity	0%~100% Non-condensing		
Altitude	4000 (>3000 Power Derating)		
Noise[dBA]	<60		
Ingress Protection	IP66		
Mounting	Wall Mounting		
Dimensions[H*W*D][mm]	660*1045*364		
Weight[kg]	93		98
Warranty[Year]	5/10/15/20/25		
Certifications	EN 50549, IEC/EN62109-1/2, EN61000-6-1/2/3/4, ABNT NBR 16149:2013, ABNT NBR 16150:2013, ABNT NBR IEC 62116: 2012, CEI 0-21		