

R6 SERIES

THREE PHASE



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

AFCI AFCI (Optional)



Built-in AC & DC SPD

16A String current up to 16A

110% 110% AC overloading



Max. Efficiency 98.8%



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		