

R6 SERIES

THREE PHASE



R6-25K-T3-32 | R6-30K-T3-32 | R6-33K-T3-32
R6-36K-T3-32 | R6-40K-T4-32 | R6-50K-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)

Model	R6-25K-T3-32	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	37500	45000	49500	54000	60000	75000
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]	25000	30000	33000	36000	40000	50000
Rated Apparent Power [VA]	27500	33000	36300	39600	44000	50000
Rated AC Output Current [A]@230Vac	36.3	43.5	47.8	52.2	58	72.5
Max. AC Output Current [A]	41.7	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 [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	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					