

R6

SERIES

THREE PHASE



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

AFCI AFCI
(Optional)



Built-in
AC & DC SPD

16A

String current
up to 16A



Max. Efficiency 98.8%

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	R6-36K-T4-32	R6-40K-T4-32	R6-50K-T4-32
Input (DC)							
Max. PV Array Power [Wp]@STC	37500	45000	49500	54000	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	36000	40000	50000
Max. Apparent Power [VA]	27500	33000	36300	39600	39600	44000	50000
Rated AC Output Current [A]@230Vac	36.3	43.5	47.8	52.2	52.2	58	72.5
Max. AC Output Current [A]	41.7	50	55	60	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 to +60°C (45°C to 60°C with derating)						
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						
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						