

R6 SERIES

THREE PHASE



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

AFCI AFI (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	R6-15K-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				
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]	15000	17000	20000	22000	25000
Rated Apparent 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 [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				