

R6 SERIES

THREE PHASE INVERTER



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

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	R6-15K-T2-32	R6-17K-T2-32	R6-20K-T2-32	R6-22K-T2-32	R6-25K-T2-32
DC Input					
Max.PV Array Power [Wp]@STC	22500	25500	30000	33000	37500
Max.DC Voltage [V]	1100				
MPPT Voltage Range [V]	180 - 1000				
Rated DC Voltage [V]	600				
Start Voltage [V]	200				
Min.DC Voltage [V]	180				
Max.DC 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				
DC Switch	Integrated				
AC Output					
Rated AC Power [W]	15000	17000	20000	22000	25000
Max.Apparent Power [VA]	16500	18700	22000	24200	25000
Rated Output Current [A]@230Vac	21.7	24.6	29	31.9	36.2
Max.Output Current [A]	25	28.3	33.3	36.7	37.9
Rated AC Voltage/Range [V]	3L+N+PE, 220/380, 230/400, 240/415, 180 - 280/312 - 485				
Rated Output Frequency/Range [Hz]	50,60/45 - 55,55 - 65				
Power Factor (cos φ)	0.8 leading - 0.8 lagging				
Total Harmonic Distortion [THDI]	<3%				
Efficiency					
Max. Efficiency	98.8%				
Euro Efficiency	98.5%				
Protection					
Internal Overvoltage Protection	Integrated				
DC Insulation Resistance Detection	Integrated				
Grid Monitoring	Integrated				
GFCI Monitoring	Integrated				
DCI Monitoring	Integrated				
AC Short Circuit Current Protection	Integrated				
AC Grounding Detection	Integrated				
DC Surge Protection	Integrated				
AC Surge Protection	Integrated				
Anti-islanding Protection	Integrated				
AFCI Protection	Optional				
Interface					
DC Connection	MC4/H4				
AC Connection	Plug-in Connector				
Display	LED+APP				
Communication Port	RS232(USB)+RS485(RJ45)+DRM				
Load Monitoring	Wi-Fi/Ethernet/4G(Optional)				
General Parameters					
Topology	24/7 (Optional)				
Consumption at Night [W]	Non-isolated				
Operating Temperature Range	<1				
Cooling Method	-40°C to +60°C (45°C to 60°C with derating)				
Ambient Humidity	Intelligent Fan cooling				
Altitude	0-100% Non-condensing				
Noise [dBA]	4000m (<3000m Power Derating)				
Ingress Protection	<50				
Mounting	IP65				
Dimensions [H*W*D] [mm]	Wall Mounting				
Weight [kg]	429.5*558*234.5				
Warranty [Year]	22.5				
Applicable Standard	5/10/15/20				
	EN 62109-1/2, EN 61000-6-1/2/3/4, EN 50438, EN 50549, C10/11, IEC 62116, IEC 61721, RD 1699, RD 413, UNE 206006, UNE 206007, NTS, CEI 0-16, CEI 0-021, AS 4777.2, NBR 16149, NBR 16150, VDE-AR-N 4105, VDE 0126-1-1				

Remarks: *According to C10/C11, Max. Apparent Power= Rated AC Power