

R6 SERIES

THREE PHASE INVERTER



R6-3K-T2 | R6-4K-T2 | R6-5K-T2 | R6-6K-T2 | R6-8K-T2
 R6-10K-T2 | R6-10K-T2-B | R6-12K-T2 | R6-15K-T2

<p>AFCI AFCI (Optional)</p>	<p>16A String current up to 16A</p>	<p> Max. Efficiency 98.8%</p>
<p> Built-in AC & DC SPD</p>	<p>110% 110% AC overloading</p>	<p> 24/7 load monitoring (Optional)</p>

Model	R6-3K-T2	R6-4K-T2	R6-5K-T2	R6-6K-T2	R6-8K-T2	R6-10K-T2	R6-10K-T2-B	R6-12K-T2	R6-15K-T2
Input (DC)									
Max. PV Array Power [Wp]@STC	45000	6000	75000	9000	12000	15000	15000	18000	22500
Max. Input Voltage [V]	1100								
MPP Voltage Range [V]	160-950								
Nominal Input Voltage [V]	600								
Start-up Voltage [V]	180								
Min. Input Voltage[V]	150								
Max. Input Current [A]	16/16								
Max. Short-Circuit Current[A]	19.2/19.2								
Number of MPP Trackers	2								
Number of Strings per MPP Tracker	1/1								
Output (AC)									
Rated AC Output Power [W]	3000	4000	5000	6000	8000	10000	10000	12000	15000
Max. Apparent Power [VA]	3300	4400	5500	6600	8800	11000	10000	13200	15000
Rated AC Output Current [A]@230Vac	4.4	5.8	7.3	8.7	11.6	14.5	14.5	17.4	21.8
Max. AC Output Current [A]	5	6.7	8.4	10	13.4	16.7	15.2	20	22.8
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, 60/45-55, 55-65								
Total Distortion Harmonic [THDi]	< 3%								
Power Factor	0.8 leading ~ 0.8 lagging								
Feed-in Phases/AC Connection Phases	3/3								
Efficiency									
Max. Efficiency	98.20%	98.50%	98.50%	98.50%	98.60%	98.60%	98.60%	98.60%	98.60%
Euro Efficiency	97.80%	98.20%	98.20%	98.20%	98.30%	98.30%	98.30%	98.40%	98.40%
Protection									
Overvoltage Protection	Integrated								
DC Insulation Resistance Detection	Integrated								
DCI monitoring	Integrated								
GFCI monitoring	Integrated								
Grid monitoring	Integrated								
AC Short Circuit Current Protection	Integrated								
AC Grounding Detection	Integrated								
DC surge protection	Integrated								
AC surge protection	Integrated								
Overheating protection	Integrated								
Anti-islanding Protection	AFD								
AFCI Protection	Optional								
Interface									
AC Connection	Plug-in connector								
DC Connection	MC4/H4								
Display	LED+APP								
Communication Port	RS232(USB)+RS485(RJ45)+DRM								
Communication Mode	Wi-Fi/Ethernet/4G(Optional)								
Load Monitoring	24/7 (Optional)								
General Data									
Topology	Non-isolated								
Consumption at Night [W]	<1								
Operating Temperature Range	-40°C ~ +60°C (45°C to 60°C with derating)								
Cooling Method	Natural Convection								
Ambient Humidity	0% ~ 100% non-condensing								
Max. Operating Altitude [m]	4000m (>3000m power derating)								
Noise [dBA]	<35								
Ingress Protection	IP65								
Mounting	Wall Mounting								
Dimensions [H*W*D] [mm]	391*532*190								
Weight [kg]	15								
Warranty [Year]	5(Standard)/10/15/20(Optional)								
Certifications	EN62109-1/2, EN61000-6-1/2/3/4, EN50438, EN50549, C10/11, IEC62116, IEC61727, Rd1699, RD413, UNE 206006, UNE 206007, NTS, CEI 0-16, CEI O-021, AS4777.2, NBR16149, NBR 16150 VDE-AR-N 4015, VDE 0126-1-1								