

On-grid Inverters

R3 Plus Series

75kW

Three Phase, 8 / 9 MPPTs



170% DC input oversizing



IP66 outdoor design



String monitoring and shorter O&M time



Optional AFCI & Smart PID recovery function



Remote firmware upgrade



Type II SPD for both DC and AC

Model	R3-75KL	R3-75K
DC Input Data		
Max. Recommended PV Power [Wp]	127500	127500
Max. PV Input Voltage [V]	800	1100
MPPT Voltage Range [V]	200 ~ 800	200 ~ 1000
Rated Input Voltage [V]	370	650
Start-up Voltage [V]	200	200
No. of MPP Trackers	9	8
No. of Input Strings per Tracker	2	2
Max. PV Input Current [A]	45	40 (40A@550V, 45A@600V)
Max. Short-circuit Current [A]	60	60
AC Output Data		
Rated AC Power [W]	75000	75000
Max. Apparent Power [VA]	75000	75000
Rated AC Current [A]	196.9	113.7
Max. AC Current [A]	196.9	113.7
Rated AC Voltage / Range [V]	3 / PE, 220; ±20%; 3 / N / PE, 220; ±20%	3 / PE, 380; ±20%; 3 / N / PE, 380; ±20%
Grid Frequency / Range [Hz]	50 / 60; ±5	50 / 60; ±5
Adjustable Power Factor [cos φ]	0.8 leading ~ 0.8 lagging	0.8 leading ~ 0.8 lagging
Output THDi (@Rated Output)	< 3% (Rated Power)	< 3% (Rated Power)
Efficiency		
Max. Efficiency	98.7%	98.7%
Euro Efficiency	98.3%	98.3%
Protection		
DC Insulation Monitoring	Integrated	
Input Reverse Polarity Protection	Integrated	
Anti-island Protection	Integrated	
Residual Current Monitoring	Integrated	
AC Overcurrent Protection	Integrated	
AC Short-circuit Protection	Integrated	
String Current Monitoring	Integrated	
DC Surge Protection	Integrated (Type II)	
AC Surge Protection	Integrated (Type II)	
AFCI Protection	Optional	
DC Switch	Integrated	
General Data		
Dimensions (W * H * D) [mm]	965 * 700 * 355	
Weight [kg]	85	84
Display	LED	
Communication	WiFi or GPRS (Optional)	
Ambient Temperature Range [°C]	-30 ~ +60	
Relative Humidity	0 ~ 100%	
Operating Altitude [m]	≤ 4000	
Night Self-consumption [W]	< 1	
Topology	Transformerless	
Cooling	Fan	
Protection Grades	IP66	