

On-Grid Inverters

# R3 Plus Series

60kW / 70kW / 75kW / 80kW  
Three Phase, 3 / 4 MPPTs



-  150% DC input oversizing
-  110% AC overloading
-  IP65 outdoor design
-  Remote firmware upgrade
-  String monitoring and shorter O&M time
-  Remote active / reactive power limit control



Model	NAC60K	NAC70K	NAC75K	NAC80K
<b>PV Input</b>				
Max. Recommended PV Power [Wp]	90000	105000	112500	120000
Max. PV Input Voltage [V]	1100			
MPPT Voltage Range [V]	200 ~ 1000			
Rated PV Input Voltage [V]	620			
Start-up Voltage [V]	250			
No. of MPP Trackers	3	4	4	4
No. of Input Strings per Tracker	4 / 4 / 4	3 / 3 / 3 / 3	4 / 4 / 3 / 3	4 / 4 / 3 / 3
Max. PV Input Current per MPPT [A]	44 / 44 / 44	35 / 35 / 35 / 35	44 / 44 / 35 / 35	44 / 44 / 35 / 35
Max. Short-circuit Current per MPPT [A]	60 / 60 / 60	46 / 46 / 46 / 46	60 / 60 / 46 / 46	60 / 60 / 46 / 46
DC Switch	Integrated			
<b>AC Output</b>				
Rated AC Output Power [W]	60000	70000	75000	80000
Max. AC Output Apparent Power [VA]	66000	77000	75000	88000
Max. AC Output Current [A]	95.3	111.1	109	127
Rated AC Voltage / Range [V]	3 / N / PE, 230 / 400; ±20%			
Grid Frequency / Range [Hz]	50 / 60; ±5			
Adjustable Power Factor [cos φ]	0.8 leading ~ 0.8 lagging			
Output THDi (@Rated Output)	< 3%			
<b>Efficiency</b>				
Max. Efficiency	99.0%	99.0%	99.0%	99.0%
Euro Efficiency	98.37%	98.5%	98.5%	98.5%
<b>Protection</b>				
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			
PID Recovery Function	Optional			
<b>General Data</b>				
Dimensions (W * H * D) [mm]	630 * 815 * 260	640 * 841 * 285		
Weight [kg]	63	76	79	79
Display	LCD			
Communication	WiFi or GPRS (Optional)			
Ambient Temperature Range [°C]	-25 ~ +60			
Relative Humidity	0 ~ 100%			
Operating Altitude [m]	≤ 2000			
Night Self-consumption [W]	< 1			
Topology	Transformerless			
Cooling	Fan			
Protection Grades	IP65			
<b>Certifications &amp; Standards</b>				
Grid Regulation	PEA, MEA, IEC 61727, IEC 62116			
Safety Regulation	PEA, MEA, IEC 61727, IEC 62116			
EMC	EN 61000-2, EN 61000-4			