

On-grid Inverters







R3 Max Series

120kW / 150kW



Features

Three Phase, 10 / 12 MPPTs

-  150% PV input oversizing
-  Up to 10 / 12 MPPTs
-  IP66 outdoor design
-  Remote firmware upgrade
-  String monitoring and shorter O&M time
-  Remote active / reactive power limit control

Model	R3-120K-L1	R3-150K-HV
PV Input		
Max. Recommended PV Power [Wp]	180000	225000
Max. PV Input Voltage [V]		1100
MPPT Voltage Range [V]		180 ~ 1000
Rated PV Input Voltage [V]	620	750
Start-up Voltage [V]		250
No. of MPP Trackers	10	12
No. of Input Strings per Tracker	2	2
Max. PV Input Current [A]	30	30
Max. Short-circuit Current [A]	50	50
DC Switch	Integrated	
AC Output		
Rated AC Output Power [W]	120000	150000
Max. AC Output Apparent Power [VA]	121000	150000
Max. AC Output Current [A]	174.6	173.2
Rated AC Voltage [V]	3 / N / PE, 230 / 400	3 / PE, 500
Grid Frequency [Hz]		50 / 60
Adjustable Power Factor [cos φ]	0.8 leading ~ 0.8 lagging	
Output THDi (@Rated Output)	< 3%	
Efficiency		
Max. Efficiency	99.0%	99.0%
Euro Efficiency	98.5%	98.5%
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)	
PID Recovery Function	Optional	
General Data		
Dimensions (W * H * D) [mm]	1055 * 700 * 336	
Weight [kg]	93	110
Display	LED	
Communication	RS485 (Standard), WiFi	
Ambient Temperature Range [°C]	-25 ~ +60	
Relative Humidity	0 ~ 100%	
Operating Altitude [m]	≤ 4000	
Night Self-consumption [W]	< 15	
Topology	Transformerless	
Cooling	Fan	
Ingress Protection	IP66	
Certifications & Standards		
Grid Regulation	IEC 61727, IEC 62116	
Safety Regulation	IEC 62109-1, IEC 62109-2	
EMC	EN 61000-2, EN 61000-4	