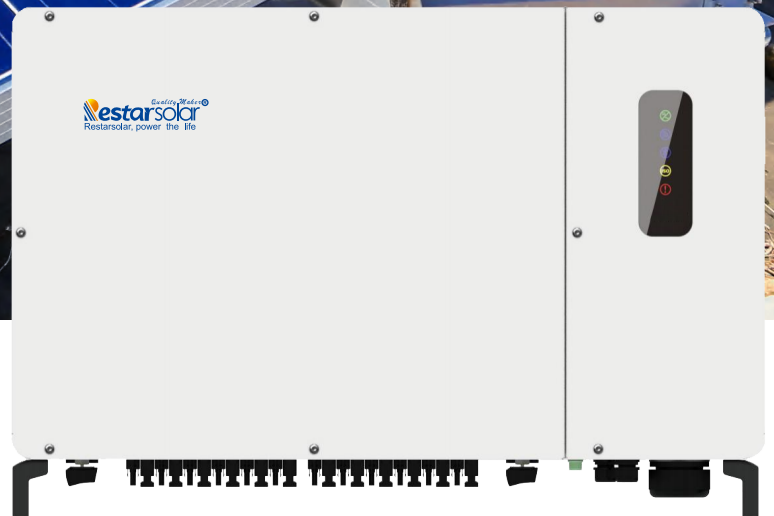


**RT-120CL-M0  
THREE PHASE**



## **PV On-Grid String Inverter**



Max. PV Voltage up to 1100V  
Type II DC /AC SPD



Compatible for Big Capacity PV Panel  
WiFi / 4G Plug Optional



DC/AC Ratio up to 1.5  
IP66 Protection



High Efficiency up to 98.7%  
Reactive Power Control

# PV On-Grid String Inverter

MODEL	RT-120CL-M0
<b>Input(DC)</b>	
Max. DC Voltage	1100V
Nominal Voltage	620V
Start Voltage	250V
MPPT Voltage Range	200 V~1,000V
Number of MPPT	10
Strings Per MPPT	2
Max. Input Current Per MPPT	30A
Max. Short-circuit Current Per MPPT	50A
<b>Output(AC)</b>	
Nominal AC Output Power	120kW@30°C/110kW@40°C/100kW@50°C
Max. AC Output Power	121kVA
Nominal AC Voltage	400V 3W+N+PE
AC Grid Frequency Range	50Hz / 60Hz(±5Hz)
Max. Output Current	174.6A
Power Factor(Φ)	0.8leading-0.8lagging
THDi	3%
<b>Efficiency</b>	
Max. Efficiency	98.7%
Euro Efficiency	98.3%
<b>Protection Devices</b>	
DC Switch	Yes
Output Over Current Protection	Yes
Anti-islanding Protection	Yes
DC Reverse Polarity Protection	Yes
String Fault Detection	Yes
DC/AC Surge Protection	Type II
Residual Current Monitoring	Yes
AC Short Circuit Protection	Yes
<b>General Specifications</b>	
Dimensions W x H x D	1055*700*336mm
Weight	93kg
Operating Temperature Range	-25°C~ +60°C
Cooling Type	Fan Cooling
Max. Operating Altitude	4000m
Max. Operating Humidity	0-100%(No Condensation)
AC Output Terminal Type	OT Terminal
IP Class	IP66
Topology	Transformer-less
Communication	RS485/Wifi/4G
Display	LED/Bluetooth+APP
Certification & Standard	EN/IEC62109-1;EN/IEC62109-2;IEC/EN61000-6-2;IEC/EN61000-6-4;IEC/EN61000-3-11;IEC/EN61000-3-12; IEC61683;IEC60068;IEC60529;IEC62116;IEC61727;EN50549-1;EN50549-2

\* Restar is committed to continuous product innovation. Please be aware that parameters are subject to change without prior notice.