

PV ON-GRID STRING INVERTER

SINGLE PHASE INVERTER



RT-G 2~3KW



RT-G 5~6KW

THREE PHASE INVERTER



RT-G 10~40KW



RT-G 50~80KW



RT-G 120KW

RT-G Series three phase -- 3~12KW

Model	RT-G3KW-3P	RT-G4KW-3P	RT-G5KW-3P	RT-G6KW-3P	RT-G8KW-3P	RT-G10KW-3P	RT-G12KW-3P
Input(DC)							
Max.DC Voltage	1100V						
Nominal Voltage	620V						
Start Voltage	250V						
MPPT Voltage Range	140V-1,000V						
Number of MPPT	2						
Strings Per MPPT	1						
Max.Inout Current Per MPPT	15A						
Max.Short-circuit current Per MPPT	20A						
Output(AC)							
Nominal AC Output Power	3000W	4000W	5000W	6000W	8000W	10000W	12000W
Maximum AC Output Power	3300VA	4400VA	5500VA	6600VA	8800VA	11000VA	13200VA
Nominal AC Voltage	400V 3L+N						
AC Grid Frequency Range	50/60Hz(±5Hz)						
Maximum Output Current	4.8A	6.4A	8.0A	9.6A	12.8A	16.0A	19.2A
Power Factor(Φ)	0.8leadng-0.8lagging						
THDi	3%						
Efficiency							
Max.Efficiency	98.4%	98.4%	98.4%	98.4%	98.6%	98.6%	98.6%
Euro Efficiency	97.5%	97.5%	97.5%	97.5%	98.0%	98.1%	98.1%
Protection devices							
DC Switch	Yes						
Output Over Current Protection	Yes						
Anli-Islanding Protection	Yes						
DC Reverse Polarity Protection	Yes						
String Fault Detection	Yes						
DC/AC Surge Protection	DC: Type II /AC:Type III /Type II Optional						
Insulation Detection	Yes						
AC Short Circuit Protection	Yes						
General Specifications							
Dimensions WxHxD	380x483x161mm						
Weight	<17kg						
Operating Temperature Range	-25°C~+60°C						
Cooling Type	Natural cooling						
Max.Operating Altitude	4000m						
Max.Operating Humidity	0-100%(No condensation)						
AC Output Terminal Type	Connector						
IP Class	IP66						
Topology	Transformer-less						
Communication	RS485/Wif/4G						
Display	LCD						
Certification&Standard	EN/IEC62109-1/2;IEC/EN61000-6-2;EC/EN61000-6-4;IEC61683;IEC60068;IEC60529;IEC62116;IEC61727; EN50549-1;AS 4777.2;DE-AR-N-4105;VDE0126-1-1;CE10-21;G98;G99;C10/C11;NB/T32004-2018;GB/T19964-2012						

*Specifications subject to change without prior notice.
1. Minimum voltage for inverter to start power output.

RT-G Series three phase -- 15~25KW

Model	RT-G15KW-3P	RT-G17KW-3P	RT-G20KW-3P	RT-G25KW-3P
Input(DC)				
Max.DC Voltage	1100V			
Nominal Voltage	620V			
Start Voltage	250V			
MPPT Voltage Range	140V-1,000V			
Number of MPPT	2	2	2	2
Strings Per MPPT	2/1	2	2	2
Max.Inout Current Per MPPT	30A/15A	30A	30A	30A
Max.Short-circuit current Per MPPT	40A/20A	40A	40A	40A
Output(AC)				
Nominal AC Output Power	15000W	17000W	20000W	25000W
Maximum AC Output Power	16500VA	18700VA	22000VA	27500VA
Nominal AC Voltage	400V 3L+N			
AC Grid Frequency Range	50/60Hz(±5Hz)			
Maximum Output Current	23.9A	27.1A	31.9A	39.9A
Power Factor(Φ)	0.8leadng-0.8lagging			
THDi	3%			
Efficiency				
Max.Efficiency	98.6%	98.6%	98.6%	98.6%
Euro Efficiency	98.2%	98.3%	98.3%	98.3%
Protection devices				
DC Switch	Yes			
Output Over Current Protection	Yes			
Anli-Islanding Protection	Yes			
DC Reverse Polarity Protection	Yes			
String Fault Detection	Yes			
DC/AC Surge Protection	DC: Type II /AC:Type III /Type II Optional			
Insulation Detection	Yes			
AC Short Circuit Protection	Yes			
General Specifications				
Dimensions WxHxD	380x483x193mm			
Weight	20.7kg			
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	Connector			
IP Class	IP66			
Topology	Transformer-less			
Communication	RS485/Wif/4G			
Display	LCD			
Certification&Standard	EN/IEC62109-1/2;IEC/EN61000-6-2;EC/EN61000-6-4;IEC61683;IEC60068;IEC60529;IEC62116;IEC61727; EN50549-1;AS 4777.2;DE-AR-N-4105;VDE0126-1-1;CE10-21;G98;G99;C10/C11;NB/T32004-2018;GB/T19964-2012			

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1. Minimum voltage for inverter to start power output.

RT-G Series three phase -- 30~40KW

Model	RT-G30KW-3P	RT-G40KW-3P
Input(DC)		
Max.DC Voltage	1100V	
Nominal Voltage	620V	
Start Voltage	250V	
MPPT Voltage Range	200V-1,000V	
Number of MPPT	3	3
Strings Per MPPT	2	2
Max.Inout Current Per MPPT	30A	30A
Max.Short-circuit current Per MPPT	40A	40A
Output(AC)		
Nominal AC Output Power	30000W	40000W
Maximum AC Output Power	33000VA	44000VA
Nominal AC Voltage	400V 3L+N	
AC Grid Frequency Range	50/60Hz(±5Hz)	
Maximum Output Current	47.8A	63.8A
Power Factor(Φ)	0.8leadng-0.8lagging	
THDi	3%	
Efficiency		
Max.Efficiency	98.7%	98.7%
Euro Efficiency	98.4%	98.4%
Protection devices		
DC Switch	Yes	
Output Over Current Protection	Yes	
Anli-Islanding Protection	Yes	
DC Reverse Polarity Protection	Yes	
String Fault Detection	Yes	
DC/AC Surge Protection	DC: Type II /AC:Type III /Type II Optional	
Insulation Detection	Yes	
AC Short Circuit Protection	Yes	
General Specifications		
Dimensions WxHxD	380*483*223mm	380*483*227mm
Weight	25.5kg	32.5kg
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	Connector	
IP Class	IP66	
Topology	Transformer-less	
Communication	RS485/Wif/4G	
Display	LCD	
Certification&Standard	EN/IEC62109-1/2;IEC/EN61000-6-2;EC/EN61000-6-4;IEC61683;IEC60068;IEC60529;IEC62116;IEC61727; EN50549-1;AS 4777.2;DE-AR-N-4105;VDE0126-1-1;CE10-21;G98;G99;C10/C11;NB/T32004-2018;GB/T19964-2012	

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1. Minimum voltage for inverter to start power output.

RT-G Series three phase -- 50~80KW

Model	RT-G50KW-3P	RT-G60KW-3P	RT-G70KW-3P	RT-G80KW-3P
Input(DC)				
Max.DC Voltage	1100V			
Nominal Voltage	620V			
Start Voltage	180V			
MPPT Voltage Range	200V-1,000V			
Number of MPPT	4	4	4	4
Strings Per MPPT	2	2	3	3
Max.Inout Current Per MPPT	32A	32A	45A	45A
Max.Short-circuit current Per MPPT	48A	48A	60A	60A
Output(AC)				
Nominal AC Output Power	50000W	60000W	70000W	80000W
Maximum AC Output Power	55000VA	66000VA	77000VA	88000VA
Nominal AC Voltage	400V 3L+N+PE			
AC Grid Frequency Range	50/60Hz(±5Hz)			
Maximum Output Current	79.7A	95.6A	111.6A	127.5A
Power Factor(Φ)	0.8leadng-0.8lagging			
THDi	3%			
Efficiency				
Max.Efficiency	98.5%	98.5%	98.6%	98.6%
Euro Efficiency	98.2%	98.2%	98.3%	98.3%
Protection devices				
DC Switch	Yes			
Output Over Current Protection	Yes			
Anli-Islanding Protection	Yes			
DC Reverse Polarity Protection	Yes			
String Fault Detection	Yes			
DC/AC Surge Protection	Type II			
Insulation Detection	Yes			
AC Short Circuit Protection	Yes			
General Specifications				
Dimensions WxHxD	515x585x287mm			
Weight	51/55kg			
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/Wif/4G			
Display	LCD			
Certification&Standard	EN/IEC62109-1/2;IEC/EN61000-6-2;EC/EN61000-6-4;IEC61683;IEC60068;IEC60529;IEC62116;IEC61727; EN50549-1;AS 4777.2;DE-AR-N-4105;VDE0126-1-1;CE10-21;G98;G99;C10/C11;NB/T32004-2018;GB/T19964-2012			

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1. Minimum voltage for inverter to start power output.

RT-G Series three phase -- 120KW

Model	RT-120CL-MO
Input(DC)	
Max.DC Voltage	1100V
Nominal Voltage	620V
Start Voltage	250V
MPPT Voltage Range	200V-1,000V
Number of MPPT	10
Strings Per MPPT	2
Max.Inout Current Per MPPT	30A
Max.Short-circuit current Per MPPT	50A
Output(AC)	
Nominal AC Output Power	120kW@30°C/110kW@40°C/100kW@50°C
Maximum AC Output Power	121kVA
Nominal AC Voltage	400V 3W+N-PE
AC Grid Frequency Range	50/60Hz(±5Hz)
Maximum Output Current	174.6A
Power Factor(Φ)	0.8leadng-0.8lagging
THDi	3%
Efficiency	
Max.Efficiency	98.7%
Euro Efficiency	98.3%
Protection devices	
DC Switch	Yes
Output Over Current Protection	Yes
Anli-Islanding Protection	Yes
DC Reverse Polarity Protection	Yes
String Fault Detection	Yes
DC/AC Surge Protection	Type II
Insulation Detection	Yes
AC Short Circuit Protection	Yes
General Specifications	
Dimensions WxHxD	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	Connector
IP Class	IP66
Topology	Transformer-less
Communication	RS485/Wif/4G
Display	LCD
Certification&Standard	EN/IEC62109-1/2;IEC/EN61000-6-2;EC/EN61000-6-4;IEC61683;IEC60068;IEC60529;IEC62116;IEC61727; EN50549-1;AS 4777.2;DE-AR-N-4105;VDE0126-1-1;CE10-21;G98;G99;C10/C11;NB/T32004-2018;GB/T19964-2012

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1. Minimum voltage for inverter to start power output.