



RT-G SERIES THREE PHASE RT-G3~12KW

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 2
IP66 Protection



High Efficiency up to 98.6%
Smaller and Lighter

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	1100V	1100V	1100V	1100V	1100V	1100V
Nominal Voltage	620V	620V	620V	620V	620V	620V	620V
Start Voltage ¹	250V	250V	250V	250V	250V	250V	250V
MPPT Voltage Range	140 V~1,000 V	140 V~1,000 V	140 V~1,000 V	140 V~1,000 V	140 V~1,000 V	140 V~1,000 V	140 V~1,000 V
Number of MPPT	2	2	2	2	2	2	2
Strings Per MPPT	1	1	1	1	1	1	1
Max. Input Current Per MPPT	15A	15A	15A	15A	15A	15A	15A
Max. Short-circuit Current Per MPPT	20A	20A	20A	20A	20A	20A	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)	0.8leading-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						
Anti-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 W x H x D	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/Wifi/4G						
Display	LCD						
Certification & Standard	EN/IEC62109-1/2; IEC/EN61000-6-2/IEC/EN61000-6-4/IEC61683/IEC60068/IEC60529/IEC62116/IEC61727; EN50549-1/AS 4777.2/VDE-AR-N-4105/VDE 0126-1-1;CEI0-21;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 RT-G15~25KW

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 2
IP66 Protection



High Efficiency up to 98.6%
Smaller and Lighter

MODEL:	RT-G15KW-3P	RT-G17KW-3P	RT-G20KW-3P	RT-G25KW-3P
Input(DC)				
Max. DC Voltage	1100V	1100V	1100V	1100V
Nominal Voltage	620V	620V	620V	620V
Start Voltage ¹	250V	250V	250V	250V
MPPT Voltage Range	140 V~1,000V	140 V~1,000V	140 V~1,000V	140 V~1,000V
Number of MPPT	2	2	2	2
Strings Per MPPT	2/1	2	2	2
Max. Input 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	50Hz / 60Hz(±5Hz)			
Maximum Output Current	23.9A	27.1A	31.9A	39.9A
Power Factor(Φ)	0.8leading-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			
Anti-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 W x H x D	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/Wifi/4G			
Display	LCD			
Certification & Standard	EN/IEC62109-1/2; IEC/EN61000-6-2/IEC/EN61000-6-4/IEC61683/IEC60068/IEC60529/IEC62116/IEC61727; EN50549-1;AS 4777.2;VDE-AR-N-4105;VDE 0126-1-1;CEI0-21;G98;G99;C10/C11;NB/T32004-2018; GB/T19964-2012			

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1. Minimum voltage for inverter to start power output.



RTG SERIES THREE PHASE

RT-G30~40KW

PV On-Grid String Inverter



Max. PV Voltage up to 1100V
Type II DC SPD / 3 MPPT



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%
Smaller and Lighter

MODEL:	RT-G30KW-3P	RT-G40KW-3P
Input(DC)		
Max. DC Voltage	1100V	1100V
Nominal Voltage	620V	620V
Start Voltage ¹	250V	250V
MPPT Voltage Range	200 V~1,000V	200 V~1,000V
Number of MPPT	3	3
Strings Per MPPT	2	2
Max. Input 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)	
Max. Output Current	47.8A	63.8A
Power Factor(Φ)	0.8leading-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	
Anti-islanding Protection	Yes	
DC Reverse Polarity Protection	Yes	
String Fault Detection	Yes	
DC/AC Surge Protection	Type II / Type III(Type II Optional)	
Residual Current Monitoring	Yes	
AC Short Circuit Protection	Yes	
General Specifications		
Dimensions W x H x D	380x483x223mm	380x483x227mm
Weight	25.5kg	32.5kg
Operating Temperature Range	-25℃ ~ +60℃	
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	LCD	
Certification & Standard	EN/IEC62109-1;EN/IEC62109-2;IEC/EN61000-6-2;IEC/EN61000-6-4;IEC61683;IEC60068;IEC60529;IEC62116;IEC61727;EN50549-1;IEC/EN 61000-6-1;IEC/EN 61000-6-3NC RfG;NRS 097;VDE-AR-N-4105;VDE0126;CEI0-21;C10/C11;G98/G99	

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1. Minimum voltage for inverter to start power output.

RT-G SERIES THREE PHASE RT-G50~80KW

PV On-Grid String Inverter



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



Reactive Power Control
WiFi / 4G Plug Optional



DC/AC Ratio up to 1.5
IP66 Protection



High Efficiency up to 98.6%
Smaller and Lighter



MODEL	RT-G50KW-3P	RT-G60KW-3P	RT-G70KW-3P	RT-G80KW-3P
Input(DC)				
Max. DC Voltage	1100V	1100V	1100V	1100V
Nominal Voltage	650V	650V	650V	650V
Start Voltage	180V	180V	180V	180V
MPPT Voltage Range	200 V~1,000V	200 V~1,000V	200 V~1,000V	200 V~1,000V
Number of MPPT	4	4	4	4
Strings Per MPPT	2	2	3	3
Max. Input 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
Max. AC Output Power	55000VA	66000VA	77000VA	88000VA
Nominal AC Voltage	400V 3L+N+PE			
AC Grid Frequency Range	50Hz / 60Hz(±5Hz)			
Maximum Output Current	79.7A	95.6A	111.6A	127.5A
Power Factor(Φ)	0.8leading-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			
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			
General Specifications				
Dimensions W x H x D	515x585x287mm			
Weight	51kg		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/Wifi/4G			
Display	LCD			
Certification & Standard	EN/IEC62109-1;EN/IEC62109-2;IEC/EN 61000-6-1;IEC/EN 61000-6-3;IEC/EN61000-6-2;IEC/EN61000-6-4;IEC61683; IEC60068;IEC60529;IEC62116;IEC61727;EN50549-1;NC RfG;NRS 097;VDE-AR-N-4105;VDE0126;CEIO-21;C10/C11			

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