OFF-GRID SOLAR INVERTER
800W~1600W

Quality Maker®
Restarsolar, power the life

Application

Features

- Pure sine wave output
- Can support WIFI/GPRS
- MPPT efficiency max 98%
- BMS function for lithium battery
- DC start & automatic self-diagnostic function
- Automatically send signal to start generator
- High efficiency design to optimize battery performance
- Selectable charging current based on applications
- AC start-up voltage auto restart voltage
- Lead acid battery/Lithium battery

OFF-GRID SOLAR INVERTER

MODEL	RT-ES1012-US	RT-ES1512-US	RT-ES1524-US	RT-ES2024-US
AC Input voltage	110VAC(satandard)			
Input voltage range	77-132VAC±3V (Normal Model) 92-132VAC ± 3V (UPS model)			
Input frequency	50/60Hz±5%			
Out put power	800W/1000VA	1200W/1500VA	1200W/1500VA	1600W/2000VA
AC mains mode output Voltage	The output voltage is same as the input voltage			
AC mains mode outout frequency	The output frequency is the same as the input frequency			
Battery mode output voltage	110VAC±10%			
Battery mode output frequency	50HZ or 60HZ±1%			
Battery mode output wave form	Pure sine wave			
Battery type	Lead-acid battery, GEL battery, Water battery or Lithium battery			
Battery voltage	12VDC	12VDC	24VDC	24VDC
Battery charging voltage	13.7VDC	13.7VDC	27.4VDC	27.4VDC
Maximum PV array Input power	800W		1600W	
PV input voltage range	12V: MPPT 15-150VDC 24V: MPPT 30V-150VDC			
Max. PV Array Open Circuit Voltage	12V: MPPT 150VDC 24V: MPPT 150VDC			
Max. solar charge current	60A			
Max. AC Charge current	27A	50A	25A	33A
Transfer time	≤10ms(UPS Mode)/≤20ms(INV Mode)			
Load Peak Ratio	(MAX)3:1			
Protective functions	AC mains mode: Input Overcurrent No-Fuse Breaker Protection Inverter mode: protections for overload / short circuit / low voltage / battery reverse polarity(with fuse).			
Status Display	You can view parameters such as AC voltage, AC frequency, PV voltage, PV current, Output voltage Output frequency, Battery voltage, Load current and other parameters by turning the page Up/Down keys.			
Voice prompt	Low battery protection buzzer long beep, Low baltery buzzer beeps every second Equipment fault buzzer beeps, Overload buzzer beeps When the overload is less than 130%, the buzzer will sound every second, and the output will be turned off after 30s. When the overload is greater than150%, the output will be turned off after 300ms.			
Operating temperature	-10°C~50°C			
Storage temperature	-15°C~45°C			
Relative temperature	-10°C~90°C no condensation			
Noise	<45dB			
Size(L*W*H)mm	445×310×125MM			

OFF-GRID SOLAR INVERTER
3000W~10000W

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Application

Features

- Pure sine wave output
- Can support WIFI/GPRS
- MPPT efficiency max 98%
- BMS function for lithium battery
- DC start & automatic self-diagnostic function
- Automatically send signal to start generator
- High efficiency design to optimize battery performance
- Selectable charging current based on applications
- AC start-up voltage auto restart voltage
- Lead acid battery/Lithium battery

OFF-GRID SOLAR INVERTER

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MODEL	RT-ES3824-US	RT-ES5048-US	RT-ES6348-US	RT-ES10048-US	RT-ES12548-US
AC Input voltage	110VAC(satandard)				
Input voltage range	77-132VAC±3V (Normal Model) 92-132VAC ± 3V (UPS model)				
Input frequency	50/60Hz±5%				
Out put power	3000W/3800VA	4000W/5000VA	5000W/6300VA	8000W/10000VA	10000W/12500VA
AC mains mode output Voltage	The output voltage is same as the input voltage				
AC mains mode outout frequency	The output frequency is the same as the input frequency				
Battery mode output voltage	110VAC±10%				
Battery mode output frequency	50HZ or 60HZ±1%				
Battery mode output wave form	Pure sine wave				
Battery type	Lead-acid battery, GEL battery, Water battery or Lithium battery				
Battery voltage	24VDC	48VDC	48VDC	48VDC	48VDC
Battery charging voltage	27.4VDC	54.8VDC	54.8VDC	54.8VDC	54.8VDC
Maximum PV array Input power	24V: 3200W	48V: 3200W	48V: 6400W		
PV input voltage range	24V: MPPT 30V-150VDC 48V: MPPT 60V-150VDC				
Max. PV Array Open Circuit Voltage	24V: MPPT 150VDC 48V: MPPT 150VDC				
Max. solar charge current	60A		120A		
Max. AC Charge current	63A	41A	52A	83A	104A
Transfer time	≤10ms(UPS Mode)/≤20ms(NV Mode)				
Load Peak Ratio	(MAX)3:1				
Protective functions	AC mains mode: Input Overcurrent No-Fuse Breaker Protection Inverter mode: protections for overload / short circuit / low voltage / battery reverse polarity(with fuse).				
Status Display	You can view parameters such as AC voltage, AC frequency, PV voltage, PV current, Output voltage Output frequency, Battery voltage, Load current and other parameters by turning the page Up/Down keys.				
Voice prompt	Low battery protection buzzer long beep, Low baltery buzzer beeps every second Equipment fault buzzer beeps, Overload buzzer beeps When the overload is less than 130%, the buzzer will sound every second, and the output will be turned off after 30s. When the overload is greater than150%, the output will be turned off after 300ms.				
Operating temperature	-10°C~50°C				
Storage temperature	-15°C~45°C				
Relative temperature	-10°C~90°C no condensation				
Noise	<45dB				
Size(L*W*H)mm	565×400×185MM				