



## RI Series

## Home-Based Inverter RI Series INV+CHAR System



### System Introduction

RI Series is designated for SOHO, home appliance, NT Stations and other network applications. This smart devices can work as all-in-one charger/inverter to provide the best power solution with high reliability and availability.

### System Features

#### High Performance Index

- ◆ MCU Controlled HF Full Digitized Design;
- ◆ High Efficiency rate of DC-AC Conversion to minimize energy losts;
- ◆ Intelligent charge control. Equipped with Super Charger, maximum 8-20A to charge large capacity Batteries like 100Ah
- ◆ Offline-Charging function ;
- ◆ Modified Sine Wave ;
- ◆ Selectable Input Voltage Range
- ◆ RT Design;
- ◆ High Overload Protection Ability;
- ◆ Auto-Recovery when AC is recovered;
- ◆ Multi LCD Display with LED indicators



### Specifications

Model	RI 1200	RI 2400
Power	720W	1440W
Host Machine Parameters		
Design Structure	Tower or Rackmounted	
Overall Efficiency	> 95%	
Working Temperature	0-40℃	
Storage Temperature	-25 ~ 60℃ (Without Batteries)	
Humidity	<95%Non-Condensing	
Safety Standard	CB7260.2/EN50091-2 Class A	
Protections	Overload, Short-Circuit, Over Temp., Over/ Low Voltage, BAT Voltage High/Low	
Display	LCD+LED Indicators;AC Mode Green Light;BAT Mode Yellow Light	
Host Machine Parameters		
Nominal Voltage	220/230/240 Vac	
Input Voltage Range	162-290Vac	
	90-290Vac	
Frequency	50Hz	
Output Parameters		
Output Voltage	220Vac ( BAT Mode ) ;220Vac±10%( AC Mode )	
Output Frequency	50±1Hz	
Output Waveform	Modified Sine Wave ( BAT Mode )	
Transfer Time	>12ms	
Efficiency ( DC to AC )	>80%	
Battery Parameters		
Battery Type	12Vdc	24Vdc
Nominal Voltage	13.7Vdc	27.4Vdc
Charging Current	10-20A Selectable	
Alarm Parameters		
Alarm	Low Voltage (BAT Mode) beeps once every 2 seconds;Overload Beeps twice every 1 second;Fault Continuous Beeping	
Physical Parameters		
Size mm( W×D×H )	288×272×90	
Net Weight Kg	2.6	2.8

Note:Specification are subject to change without further notice.