



RP-IN1000 Series

1000VA~3200VA Inverter / Charger

RP-IN1000 Series is an advanced DC-to-AC inverter with auto line-to-battery transfer and integrated charging system, meeting diverse power needs. Operating seamlessly from both AC power and DC sources, it efficiently supplies power and converts battery energy for backup.

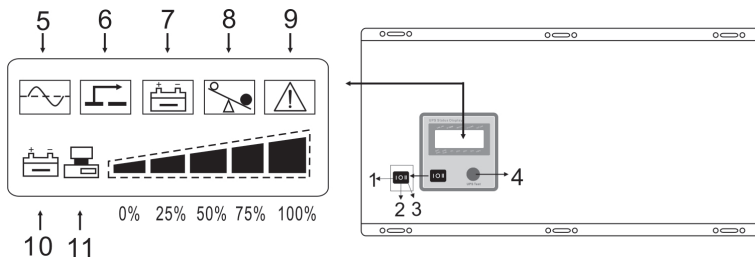
Equipped with a built-in 30Amp smart charger, the RP-IN1000 Series extends battery life while reducing operating costs. It operates quietly with heavy-duty reliability and is user-friendly and ecologically conscious.

The RP-IN1000 Series delivers exceptional performance for residential, commercial, and automotive applications, ensuring uninterrupted power supply and peace of mind. It is a reliable and efficient solution for various settings, meeting power requirements with ease.

Feature

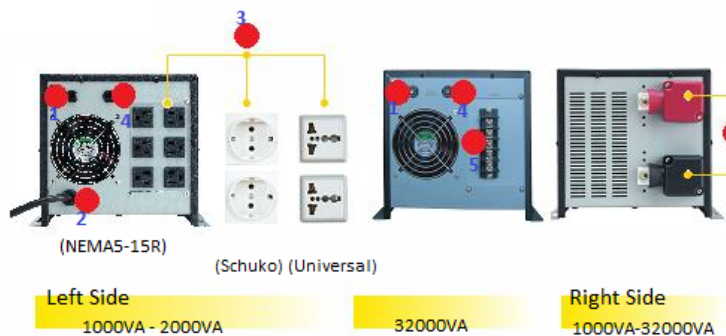
- 30Amp built in powerful smart charger for long backup time and extended battery life.
- High efficiency and low idle current to keep low operating costs.
- Quiet operation, heavy duty reliability.
- Ecologically smart and user friendly.
- Back-up, on-line, battery status, power status by LCD display.
- Short circuit and overload protection.
- Cold start (DC power on).
- Advanced battery management (ABM).
- Charging current can be adjusted by selector.

Front Panel



1. **Power On**
2. **UPS Off**
3. **Charger Only**
4. **UPS Test Switch**
5. **Line-On: AC Normal**
6. **O-Temp.** : If the UPS is over temperature, the light will turn on and the alarm will sound continuously.
7. **Back-Up:** Battery in back-up
8. **Over Load:** If the UPS is overloaded, the light will turn on and the alarm will sound continuously
9. **UPS Cut-Off:** Overload or Cut-off
10. **Battery Level:** A bar graph showing how much of the UPS battery is being used.
11. **Load Level:** A bar graph showing how much of the UPS power is being used.

Rear Panel



1. Input Breaker
2. AC Input
3. Outlets
4. Output Breaker
5. Terminal for Input & Output
6. Battery terminal (DC Input Connector)

Specification

Model		RP-IN1000	RP-IN1500	RP-IN2000	RP-IN3200
Capacity		1000VA/600W	1500VA/900W	2000VA/1200W	3200VA/2000W
Input	AC Voltage	110/115/120VAC or 220/230/240VAC,1 Phase + Neutral			
	Voltage Tolerance (AC)	90VAC~135VAC or 187VAC ~264VAC +/- 4%			
	DC Voltage	12VDC		24VDC	
	Voltage Tolerance (DC)	10VDC~14VDC		20VDC~26VDC	
	Frequency	47Hz~53Hz or 57Hz~63Hz			
Output	Voltage	110/115/120VAC or 220/230/240VAC			
	Voltage Tolerance (Batt. Mode)	+/- 7%			
	Frequency	50Hz or 60Hz			

	Frequency Tolerance		+/- 1Hz in Battery Mode			
	Transfer Time		< 10ms (Typical)			
	Voltage Waveform		Modified Sinewave			
Battery	Type		Maintenance free dry type (suggested)			
	Capacity		Up to 1000Ah			
	Battery Low Level		10.8V +/-0.2V		21V +/-0.5V	
	Battery Cut off Level		10V +/-0.2V		20V +/-0.5V	
	Battery House		External; Rack or Cabinet (Optional)			
Charger	Battery Charge Voltage		13.6VD C+/-0.2VDC		27.5VDC +/-0.3VDC	
	Charge Capacity		30A max. (Adjustable)			
	Over Charge Protection		14.5VDC +/-0.5VDC		29VDC +/-0.5VDC	
Display & Control Panel	Control Panel		Power On/Off & UPS Test button, Battery charge current adjustment			
	Indicators	Line Mode	Line-on LCD lighting			
		Battery Mode	Back-Up LCD lighting			
		Overload	O-Load LCD lighting			
		Over Temp.	O-Temp. LCD lighting			
		UPS off	Cut off LCD lighting			
		Load Level	5-step LCD lighting			
		Battery Level	5-step LCD lighting			
Protection	Full Protection		Overload, Short circuit, Over charge, Over temperature, Input & Output fuse			
Environment	Audible Noise		Less than < 45dBA (at 1meter)			
	Operating Temp.		0 ~ 40 °C			
	Storage Temp.		-20°C~~70°C			
	Relative Humidity		Maximum 0 ~ 90%(non-condensing)			
	Type of Cooling		Forced with fan			
	Installation Height		< 3000 meters, elevation			
Physical	Dimension(D*W*H)		430*200*203mm			
	Weight,w/o Battery		11Kgs	14Kgs	16Kgs	20Kgs

Ordering information

RP-IN1000	1000VA/600W Inverter / Charger
RP-IN1500	1500VA/900W Inverter / Charger
RP-IN2000	2000VA/1200W Inverter / Charger
RP-IN3200	3200VA/2000W Inverter / Charger

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