

**NIUESS**

# Energy Storage Solutions Vendor

- ✓ Direct Factory ISO14001
  - ✓ Support OEM & ODM
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# About RePower Times

Shenzhen RePower Times Technology Co.,Ltd., subsidiary corporation of Shenzhen RePower Industrial Co., Ltd. Found in 2003, after 20 years development and expansion, we now own more than 12500 square meters floor area for office and production.

Besides, we are a big family of 900+ staffs by now. Among this huge family, 60% are R&D staffs, which made us National Hi-Tech Enterprise and Dual-Soft Enterprise today. With the great affords of the strong R&D team, we obtained 123 Patents for Invention, 96 Patents for Utility Model, 8 Patents for Industrial Design, 32 Software Copyrights.

What's more, we obtained many essential certificates and reports for both domestic and foreign markets, which include ISO9001, ISO4001, CE, FCC, UKCA, PSE, RoHS, MSDS, UN38.3, UL 2743...



Our main business includes: Automatic Battery Testing Solution, Automatic Production Line Construction of Battery Cell, Automatic Testing Line Construction of Battery Module and Pack, MES system, Portable Energy Storage System, Residential Energy Storage System, Industrial & Commercial Energy Storage System.

Until now, we've established long-term cooperation with famous Battery Enterprises: CATL, CALB, GREAT POWER, GOTION HIGH-TECH, EVE, LG, SUNWODA, GANFENG Lithium, SVOLT, LISHEN, DESAY, COSMX, FARASIS...

**Automobile Enterprises:** Volkswagen, BYD, SAIC MOTOR, FAW GROUP, BAIC MOTOR, GREAT WALL, CHANGAN, GEELY AUTO, GAC GROUP, YU TONG, SANY, X PENG.

**Research Institutions:** TUV SUD, UL, CVTRI, SMVIC, ESI, CEPREI, CNVRI, CAERI, General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China.

After our detailed introduction above, we believe that you have a deep understanding about us already, welcome to discuss more about your project in your market with us, we stay committed to win-win cooperation anytime anywhere..





# Portable Power Station

● NE-1200/1228Wh



The extra power pack can expand the capacity to 2.4KWh, with battery status display(cannot be used alone)

Intelligent fully automatic dynamic charging and discharging management platform, multi-functional digital display shows real-time power, battery voltage, charging and discharging power.

Adopt X-Charge bidirectional power fast charging technology to realize DC-AC intelligent conversion and ensure the output of sine wave current comparable to mains power.

Ultra-power X-Turbo technology can drive high-power equipment with a peak power of 2400W, expanding the scope of applications.

## PARAMETER

Basic Specifications	N.W.	18Kg	Capacity	1228Wh
	Size	403*223*298 mm	Certificates & Reports	CE/FCC/PSE/RoHS/UKCA/UL 2743
Output	Inverter AC*4	Pure sine wave, Rated power 1200W, Peak 2400W, 90~264VAC(50Hz/60Hz) Intelligent inverter system: support 1200~2400W Load		
	Type-A Ports*2	5VDC, 12W(Max.)	Type-A Fast Charging Ports*2	5V/9V/12VDC, QC3.0, 24W(Max.)
	Type-C Ports*2	5V/9V/12V/15V/20VDC, PD3.0, 100W(Max.)		
	Cigar Lighter*1	136W,13.6V DC,10A(Max).	DC5521	13.6V DC, 10A (Max.)
Input	AC Charging	90~264V AC(50Hz/60Hz)	PV Charging	400W, 11~65V DC, 10A (Max.)
	AC Max. Power	1000W (Max.)	Car Charging	12V/24V DC, 10A (max.), 200W(Max.)
Batteries	Battery Type	Lithium Iron Phosphate 51.2V 24AH	Charging T. (°C)	0°C-45°C±3°C
	Discharging T. (°C)	-20°C~50°C±3°C	Cycle Times	>2000 cycles (80% capacity left)

# Portable Power Station

- NE-700/512Wh
- NE-700 Pro/720Wh



Safe lithium battery is used as the main body of energy storage, which has the features of small size, large capacity, light weight, high power and easy to carry.

Ultra-power X-Turbo technology can drive high-power equipment with a peak power of 1800W, expanding the scope of applications.

Intelligent fully automatic dynamic charging and discharging management platform, multi-functional digital display shows real-time power, battery voltage, charging and discharging power.

Adopt X<sup>2</sup>-Charge bidirectional power fast charging technology to realize DC-AC intelligent conversion and ensure the output of sine wave current comparable to mains power

## PARAMETER

Basic Specifications	N.W.	7.7Kg	Capacity	NE-700: 512Wh / NE-700 Pro: 720Wh
	Size	294*185*236mm	Certificates & Reports	CE/FCC/PSE/RoHS/UKCA/UL 2743
Output	Inverter AC*4	Pure sine wave, Rated power 700W, Peak 1800W, 220V AC (50Hz/60Hz) Intelligent inverter system: support 700-1800W Load		
	Type-A Ports*2	5V/9V/12VDC, QC3.0, 24W(Max.)		
	Type-C Ports*2	5V/9V/12V/15V/20VDC, PD3.0, 100W(Max.)		
	Cigar Lighter*1	136W,13.6V DC,10A(Max.)	DC5521	13.6V DC, 10A (Max.)
Input	AC Charging	90~264VAC(50Hz/60Hz)	PV Charging	200W, 10~25V DC, 10A (Max.)
	AC Max. Power	500W (Max.)	Car Charging	200W, 12V/ 24V DC, 10A(Max.)
Batteries	Battery Type	NE-700: Lithium Iron Phosphate 25.6V 20Ah NE-700 Pro: Ternary Lithium 29.6V 24Ah	Charging T. (°C)	0°C-45°C±3°C
	Discharging T. (°C)	-20°C-50°C±3°C	Cycle Times	NE-700: >2000 cycles (80% capacity left) NE-700 Pro: >800 cycles (80% capacity left)

# Energy Magic Luggage & Solar Generator

- RESS-5000B/5KWh
- RESS-5000C/5KWh



The 1.5KW/5KWh portable/mobile energy storage trolley integrates energy storage batteries and hybrid inverters, which is equivalent to a small mobile power station; as a distributed energy storage power supply, it can be used for emergency charging of new energy vehicles or for various small and medium-sized Electrical equipment provides power. Applied to emergency power supply, outdoor work, electric power repair, mobile auto repair, weak current area power system, monitoring power system.

High-rate, long-life, high-stability, maintenance-free high-quality lithium batteries are used as the main power supply, and various performances are superior to other mainstream brands in the industry.

The built-in intelligent BMS battery management system monitors the status of the battery pack system in an all-round way to ensure the reliable operation of the system with high quality requirements, and is equipped with the industry's excellent high-power intelligent AC coupling machine to work together.

According to the real-time status of the battery pack system, the system controls parameters such as charging and discharging mode, start and stop, output voltage and output current of the AC coupling machine system, and the product operates efficiently and reliably.

## PARAMETER

PV Input Parameters	Max. Power	4500W	Max. Voltage	145V
	Max. Current	80A	MPPT Voltage Range	60-115V
	No. of MPPTs/No. of sets that can be connected to each group of MPPTs	1/2		
Grid Output Parameters	Rated Grid Voltage Grid voltage range	110V/220V/230V AC 90-264V AC	Max. Charging Current	60A
	Rated Frequency	50Hz/60Hz		
Emergency Power Output	Rated Voltage	230V AC(110V/220V)	Rated Power	5000W
	Rated Frequency	50/60Hz	Response Time	20ms
Energy Storage Battery Parameters	Battery Type	Lithium Iron Phosphate	Voltage Range	40-58.4V
	Rated Voltage	51.2V	Max. Charge & Discharge Current	100A
	Capacity	100Ah		

# Energy Storage System

- RESS-5000A/5KWh
- RESS-10000A/10KWh



Safe LFP battery is used as the energy storage body, with small size, large capacity, light weight, high power as main features.

With overcharge, over-discharge protection, power monitoring and low battery alarm function.

Compatible with hybrid inverters of mainstream manufacturers in the market, easy to use.

The LED lights display the parameters of the equipment in real time, and the operating status is clear at a glance.

## PARAMETER

PV Input Parameters	Max. Power	5000W	Max. Voltage	115V
	Max. Current	80A	MPPT Voltage Range	60-115V
	No. of MPPTs/No. of sets that can be connected to each group of MPPTs		1/2	
Grid Output Parameters	Rated AC Power	5000W	Max. AV Current	24.5A
	Max. Continuous Current	26A	Rated Grid Voltage Grid voltage range	110V/220V/230V AC 90-264V AC
	Rated Grid Frequency	50Hz(45-54Hz)/60Hz(55-65Hz)	AC Type	single phase (L+N+PE)
Emergency Power Output	Rated Voltage	208/220/230/240V AC	Rated Power	5000W
	Rated Frequency	50/60Hz	Response Time	10-20ms
Energy Storage Battery Parameters	Capacity	5KWH/10KWH	Battery Type	Lithium Iron Phosphate
	Rated Voltage	51.2V	Max. Charge and Discharge Power	5000W
	Voltage Range	40-58.4V	Max. Charge & Discharge Current	100A/200A