



## Rolling Energy



Add: Economic Development Zone, Jiangyan district, Taizhou, Jiangsu, China.

Zip: 225500

Tel: +86 523-88521888

Fax: +86 523-88521244

E-mail: [office@shuangdeng.com.cn](mailto:office@shuangdeng.com.cn)

shoto<sup>®</sup>



Make full use of internet platform  
Big Data cloud storage  
Service for customers worldwide

Shoto firmly promote green low-carbon career and always fulfill the concept of “new energy, circularity and high-tech”, to manage from the five link key aspects: design, development, green purchasing, system management, recycling, energy conservation and emissions reduction to create green model for the industry, to create a green life for human beings and store a green future for the earth.

Explore actively  
To find an ever-increasing energy new world

**Telecom**

Becoming the core of constructing the future smart grid center;

**Communication**

Possess all series of energy storage solutions and provide firm green energy security;

**Power**

New clean and efficient power energy, to provide endless power for the social development;

**Recycling**

Take the lead in building circulation industry chain, make renewable energy, restore a healthy earth.

Pursue the perfection  
To build up a strong  
and sustainable enterprise

Shoto has owned several honors such as “National environment friendly enterprise”, “National key high-tech industry group”, “China's top 100 electronic information enterprises”, “Global 500 new energy enterprises”.

Converge global industry experts  
and unite research institutes  
Collaborate with customers to develop  
the world's leading energy storage systems

The establishment of the Chinese Academy of Sciences in cooperation with the establishment of the Advanced Energy Development Research Center, academicians workstation, post-doctoral research station, state-level enterprise technology center have take on the 863 and other national research projects and research and develop the world forward-looking high-end new energy projects.

## Application Scenarios

- ❑ Long-distance self-driving trips, long-distance marine operations
- ❑ Car auxiliary power, tire inflation and emergency ignition
- ❑ Adventure, camping, fishing and other outdoor activities
- ❑ Unstable mains regions such as seaside, grassland and depopulated zone
- ❑ Backup power for disaster relief, important meetings and activities

## Product Features

- ❑ Compatible with both charging ways - mains and photovoltaic (PV)
- ❑ Advanced MPPT technology, tracking efficiency up to 99.5%
- ❑ 500W standard domestic sinusoidal AC output
- ❑ Safely starting the car at anytime and anywhere
- ❑ Compressor inflating quickly for the tyre
- ❑ 12V cigarette socket and 5V USB for various kinds of electronic products
- ❑ LED indicating operating state, LCD displaying battery capacity
- ❑ Equipped with chargeable multi-file brightness adjustment LED lamp, more flexible and varied fixed way
- ❑ Complete electrical protection function




Shoto Rolling Energy has been developed to gain advantages for the portable transport, large capacity storage, efficient photovoltaic charging and rich interfaces. This product adopts the rod-type luggage box structure made of modified PP alloy with the characteristics of low-temperature performance and impact resistance. The application of lithium-ion battery permit to this power battery to have higher safety performance, excellent temperature performance and high specific energy. This product is compatible with two charging methods: fast charging with photovoltaic panels for the battery when sunny and grid charging when not using the photovoltaic panel. It has rich power output interfaces that can output standard sinusoidal AC, 12V DC, 5V DC and is easy to supply power for common electric appliance, and it also equipped with features which could be helpful for usage with a car like emergency ignition, tire compressor and emergency light.

Passion for Storage  
and Green Energy

## Technical Parameters

Product Model		B-YD1290DA
Battery Type		Lithium-ion battery
Rated Energies		1000Wh
Inputs	Grid	200~240V/50Hz
	PV	18~92V, ≤260W
Outputs	AC	220V/50Hz/500VA/sine
	DC	12V/10A (Cigarette lighter interface) 5V/2.1 & 5V/1A (USB interfaces)
	Car-starting	12V/350A/5S, with specialized car starting lines
Compressor		3Bar, Inflator gun with high precision tire pressure indicator
LED Lighting	Input	5V/0.7A
	Output	Maximum power 1.6W, four levels light intensity with flash
Protection	Battery	Overcharge, over discharge, over current, short circuit, over temperature
	Charger/Inverter	Input undervoltage, overvoltage; Output over-current, short circuit; over temperature
Operating Temperature	Charging	32~113°F
	Discharging	14~113°F
Dimensions (L×W×H)		570×360×220mm
Weight		18kg
Protection Class		IP21

Declaration: This information is generally descriptive only and is not intended to make or imply any representation, guarantee or warranty with respect to any cells and batteries. Cell and battery designs/specifications are subject to modification without notice. Contact CHINASHOTO for the latest information.  Welcome to Visit: [www.chinashoto.com](http://www.chinashoto.com)

### Reference Running Time for Electrical Appliance

Electrical Appliance	Power Consumption	Running Time
LED Lighting	2W	500 h
Smart Phones	5W	40 times
Radio	10W	100 h
Tablet	20W	50 h
Notebook Computer	40W	25 h
Electric Fan	60W	17 h
Car Cleaner	60W	17 h
Compressor	80W	65 times
Refrigerator	130W	7.7 h
Sound System/Projector	200W	5 h
Desktop & Monitor	310W	3.2 h
Laser Printer	500W	2 h
Car Starting	4200W/5s	50 times

**Passion for Storage  
and Green Energy**

Shoto, as the leading green storage integration service supplier in Big Data age, using the forward-looking energy technology to share the green earth with our customers.