

THE CHARGER

RYDBATT® 瑞鼎
SHENZHEN RYDER ELECTRONICS CO., LTD.

Professional total power solution

® www.ryderelectronics.com

ABOUT US

Ryder electronics is a highly integrated professional electronic power solution provider. A high tech company that devoted in the design, manufacture, marketing, after-sale service of intelligent rechargeable batteries, battery chargers, battery management systems, electronics power resources products and related supporting products.

Ryder is located in Longhua district, Shenzhen Special Economic Zone, neighbors on Hong Kong and near Macau. The transportation is very convenient. At the beginning of 2012, Ryder covers over ten thousand square meters for production. Our products have been widely used in various fields, such as wireless telecommunication, geological exploration, medical and health care equipment, electricity powered toys, digital products. Now we have provided professional battery power solutions and OEM services for customers from America, Japan, Korea, European, Middle East and Latin America.

Our company, self-disciplined and social commitment, take a customer first and people oriented management, make developing technologies and serving the society as our responsibility. We take providing all mankind reliable and environmental friendly electrical power solution as our mission, dedicate to be a world leader in rechargeable battery and electronics power resources field. Choose Ryder, trust Ryder, we will make progresses and win a better future together!

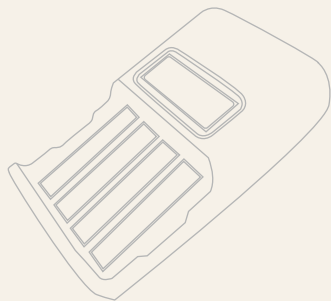
瑞鼎电子是一家集智能可充电电池、充电器、电池管理系统、电子电源产品、电池周边产品的设计、生产、销售及售后服务为一体的专业电池、电源解决方案公司。

公司位于深圳经济特区龙华新区，毗邻港澳，交通便利。2012年初，瑞鼎电子生产总面积已达一万多平方米。其产品广泛应用于各个领域，如：无线通信，地质探测，医疗保健设备，电动玩具，数码产品。公司为美、日、韩和欧洲、中东及拉美等各国客户提供专业的电池解决方案和OEM服务。

公司秉承以“自强不息、厚德载物”的精神，以客户为导向、以人为本的管理，以发展科技、服务社会为己任，以“提供全人类可靠、环保的电源解决方案”为使命，致力成为集可充电电池，电子电源产品于一体的世界领导者。选择瑞鼎，信赖瑞鼎，我们将和您一同进步，共赢发展。

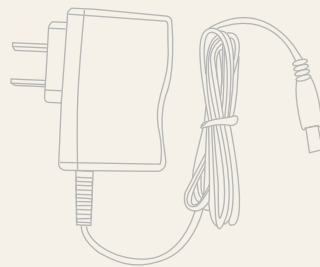
Slot charger

槽充电器



Wire charger

线充电器



SLOT CHARGER



Major Features

Advanced MCU control independent charging channel with power display

Short-circuit protection & timer control

Charging multiple batteries simultaneously



安全停充
Automatically stop charging



过温保护
Over temperature protection



反接保护
Reverse polarity protection

RYD-233

4 Channels Smart Fast Charger



Zero Electric Activation



Two Hours Fast Charging



LCD Display



Wide Range Voltage



Arbitrarily Mixed Charging

EU

US



CH-RMH223-01

Features :

Two hours fast charging | Wide range voltage | 0V electric activation
LCD display Independent channel | Automatically stop charging

Two Hours Fast Charging

: When 1-2pcs AA batteries are charging, it will automatically turn to 1A speed mode for fully charged within 2 hours

Wide Range Voltage

: Support 100V-240V input

Zero Electric Activation

: 20mA micro current pulse wake-up activation for batteries that are in the sleep mode with low voltage

Independent Channel

: Single channel technology, 1-4pcs batteries charging at the same time

Automatically stop charging

: Integrated high precision

Product Description

Specification

AC Input	: 100V-240V AC 50Hz/60Hz
DC Output	: AA:1.2V 1000mA*2, 500mA*4 AAA:1.2V 500mA*2, 250mA*4
Battery Type	: 1.2V Ni-MH/Ni-Cd
Typical Output	: AA 1000mA AAA 500mA
Dimension	: 115×69×27mm



LCD display design makes it easier to know the battery status



Independent channel design, 1-4pcs batteries can be fast charged within two hours, saving charging time efficiently



Foldable plug to save space





安全充电
Automatically stop charging



过温保护
Over temperature protection



反接保护
Reverse polarity protection



多功能
Multi-function



预充电
Pre-charging

RYD-IC99

Fully Compatible Smart Charger



CH-IC99-02

Features :

Pre-charging | 36° constant temperature fast charge | Charge | Discharge refresh | Capacity test | Internal resistance test | Battery storage

Can be connected with the computer, directly view the battery charge and discharge curve, online voltage, offline voltage, real-time internal resistance charge and discharge capacity and other information.

Support setting charging and discharging parameters.

Four buttons functions:

Mode	: Charging Discharging Battery refresh Internal resistance test capacity test Long press for 3 seconds to turn ON/OFF the backlight
Display	: Voltage Current Discharging capacity Charging Capacity working time Internal resistance long press 3 seconds to open / Closed backlight
Current	: 100mA 200mA..... (In multiples of 100) 2000mA Press and hold the current button to turn on the power, and the factory setting will be automatically restored after the screen is displayed
Slot	: Single selection Full selection Repetition Press and hold for 3 seconds to enter the custom mode (Please read the product manual for detailed settings)

Product Description

Charging, Discharging, Refreshing, Capacity testing, Internal resistance testing, Battery storage and many other functions

Can be connected with the computer, directly view the battery charge and discharge curve, online voltage, offline voltage, real-time internal resistance, charge and discharge capacity and other information

Independent channel to support arbitrarily mixed charging with LCD display



Specification

AC Input	: 12V \leftrightarrow 2A/3A
DC Output	: DC4.35V 100mA~2000mA DC3.65V 100mA~2000mA DC4.20V 100mA~2000mA DC1.48V 100mA~1000mA DC5V 1000mA
Battery Type	: 3.7V Li-ion batteries including 26650,22650,26500,18650,18490,17670 17500,17355,16340,14500,10440,21700
Dimension	: 97x152x40mm



RoHS





安全停充
Automatically stop charging



过温保护
Over temperature protection



反接保护
Reverse polarity protection

RYD-005

Smart Charger
Compatible With All
Size Of Batteries



EU



US



Designed with LCD display,
allow people to know SOC easily



Independent charging channel: Suitable for 1-4
pcs batteries, two hours fast charging can save
more charging time.



Foldable cover design to save space



CH-RMU005-01

Features :

Wide compatibility | Dual fireproof measures | Independent charging
channel | Automatic stop charging | Smart fast charging

Smart Fast Charging : Compatible with 26650/22650/26500/18650
18490/17670/17500 / 17355/16340/14500
10440/C/D/AA/AAA/6F22

Independent
Charging Channel : Single channel charging technology supports
independent charging each channel

Automatically Stop
Charging : FIT charging technology, CC/CV, Dual
detection program for accurate detection,
charging saturation > 90% without any harm
to the battery

Product Description

Specification

DC Input	: DC 12V $\bar{\sim}$ 1A
DC Output	: DC 4.2V / DC 3.6V / DC 1.48V 425mA * 4,850mA * 2
Battery Types	: Li-ion/LiFePO4;18650,14500(AA),10440(AAA); Ni-MH/Ni-Cd,AA,AAA,C,D,9V
Dimension	: 165x146x63.5mm



Multi-slot Smart Charger



Features :

- Independent charging channel : Can charge batteries with different specs and capacity at the same time
- 0V Battery reactivating : Can activate the dormant battery by 20mA pulse current
- MCU Smart chip : Test the battery voltage, current , temperature, resistance in each every 6 seconds frequency

Specification

8 Slots AA/AAA Ni-MH Smart LCD Display Charger

DC Input : 12V~1.0A
 Output : AA: 1.2V 500mA*8; AAA: 1.2V 250mA*8
 Dimension : 170 * 105 * 30mm

12 Slots AA/AAA Ni-MH Smart LCD Display Charger

DC Input : 12V~1.5A
 Output : AA: 1.2V 500mA*12; AAA: 1.2V 250mA*12
 Dimension : 204 * 98 * 30mm

16 Slots AA/AAA Ni-MH Smart LCD Display Charger

DC Input : 12V~2A
 Output : AA: 1.2V 500mA*16; AAA: 1.2V 250mA*16
 Dimension : 306 * 105 * 30mm



8 Slots AA/AAA Ni-MH Smart LCD Display Charger
CH-RMH241-02



12 Slots AA/AAA Ni-MH Smart LCD Display Charger
CH-RMH280-02



16 Slots AA/AAA Ni-MH Smart LCD Display Charger
CH-RMH300-01





Features :

Independent charging channel | Voltage detection | Reverse polarity protection
Automatically stop charging | LED display

Independent Charging Channel : Each slot designed with independent charging circuit, can charge different capacity batteries at the same time without interference.

Voltage Detection : Advanced MCU control, accurately detects the battery voltage, protect the battery from Over-charge, over-discharge, over-voltage, and over-current.

Specification

2 Slots 9V Ni-MH LED Display Smart Charger

DC Input : 100-240V AC 60/50Hz
Output : 9V 100mA*2
Dimension : 60 * 80 * 52mm

4 Slots 9V Ni-MH LED Display Smart Charger

DC Input : 12V 500mA
Output : 9V 100mA*4
Dimension : 119 * 61 * 38mm

10 Slots 9V Ni-MH LED Display Smart Charger

DC Input : 12V 1500mA
Output : 9V 100mA*10
Dimension : 145 * 100 * 23mm



10 Slots 9V Ni-MH/L-ion LED Display Smart Charger
CH-RMH260-02



4 Slots 9V Ni-MH/L-ion LED Display Smart Charger
CH-RMH220-01



2 Slots 9V Ni-MH/L-ion LED Display Smart Charger
CH-RMH201-15



9V Li-ion Battery Charger





RYD-Li100

Input Power	: Micro USB DC5V1A
Output Current	: 500mA
Dimension	: 112 * 38 * 30mm
Supported Battery Type	: 1.2V Ni-MH 1.2V Ni-Cd 3.2V LiFePo4 3.7V Li-ion 3.85V Li-ion



CH-RLi223-01

Input Power	: 100-240V 50/60Hz 12V-24V 0.6A Max
Output Current	: 4.2V 500mA * 2
Dimension	: 134 * 60 * 27mm
Supported Battery Type	: Li-ion 18650 / 18500 14500 / RCR123A(3.7V)



RYD-Li200

Input Power	: Micro USB DC5V1A
Output Current	: 1000mA
Dimension	: 112 * 60 * 30mm
Supported Battery Type	: 1.2V Ni-MH 1.2V Ni-Cd 3.2V LiFePo4 3.7V Li-ion 3.85V Li-ion



CH-RMU001-01

Input Power	: AC 100-240V DC 12V
Output Current	: 4.2V/3.6V/1.48V
Dimension	: 95 * 135 * 42 mm
Supported Battery Type	: Ni-MH/Ni-Cd : AA, AAA, C SUB-C, Li-ion / LiFePo4 18650 / 14500 / 26650 22650, etc., RCR123A, 3.0V/3.2V LiFePO4 battery



CH-RLi225-01

Input Power	: DC, 5V-1.0A
Output Current	: 300mA * 4
Dimension	: 70 * 25 * 88 mm
Supported Battery Type	: 1.2V Ni-MH 1.2V Ni-Cd



CH-RMH242-01

Input Power	: 100-240V 50/60Hz 12V2A
Output Current	: AA1.2V/250mA AAA1.2V/100mA
Dimension	: 195 * 100 * 27mm
Supported Battery Type	: 1.2V Ni-MH 1.2V Ni-Cd



JBC019-11

Input Power	: 12V/500mA
Output Current	: 4.2V250mA * 4
Dimension	:
Supported Battery Type	: 1.2V Ni-MH 1.2V Ni-Cd



JBC010-11

Input Power : 220-230V 50Hz
12V-24V 0.6A Max

Output Current : AA/AAA 1.2V 150mA

Dimension :

Supported
Battery Type : Ni-MH AA/AAA



CH-RMH222-0

Input Power : 100-240W
50/60Hz

Output Current : 1000mA

Dimension : 112 x 60 x 30mm

Supported
Battery Type : 1.2V Ni-MH
1.2V Ni-Cd



JBC007-21

Input Power : 100-240V AC 60/50Hz

Output Current : 1000mA*2/500mA**2

Dimension :

Supported
Battery Type : Ni-MH AA/AAA



CH-RLi221-01

Input Power : 12V 1A

Output Current : 4.2V 1A*2

Dimension : 130*60*32mm

Supported
Battery Type : 18650 Li-ion battery
14500 Li-ion battery



CH-RLi241-02

Input Power : 5V 500mA

Output Current : 4.2V 400mA

Dimension : 91*80*27mm

Supported
Battery Type : 3.7V RCR123A
Li-ion Battery



Li-ion RCR123A

Input Power : 12V 500mA

Output Current : 12V $\pm 5\%$

Dimension : 83 x 44 x 27mm

Supported
Battery Type : 3.7V Li-ion



CH-RMH221-02

Input Power : 12V 500mA

Output Current : AA1.2V/500mA*4
AAA1.2V/250mA*4
AA/AAA multi-charging
1.2V 250mA*4

Dimension : 108*68.5*25mm

Supported
Battery Type : 1.2V Ni-MH
1.2V Ni-Cd

WIRE CHARGER



Major Features

Power display

Advanced MCU control

Automatically judging battery voltage

Short-circuit protection & timer control



JMC002-11

Product description:

1-4Cells Li-polymer/LiFePO4 Balance Charger

Specification:

DC Input:16V 1.5A
Output:3.6V-16.8V 1A

Features

- Suitable for 1-4 cells Li-polymer/LiFePO4 battery pack
- Build-in auto-balance circuit for unbalanced battery pack
- Full protection for short-circuit & reverse polarity & over temperature
- Auto detection of defective battery
- LED indicate charging status

Actively Balancing Function



Can repair severely unbalanced battery pack



Compatible with 3.2V LiFePO4 battery and 3.7V li-polymer battery



MUC intelligent detection, effectively distinguish bad battery & battery reverse-connection state





JLC028-11

Product DESCRIPTION : 2S-6S Ni-MH Smart Charger

Specification : AC Input: 100-240V AC 60/50Hz
Output: 2.4V-7.2V 0.9A/1.8A

Features : Suitable for Ni-MH 2-6 cells battery packs in RC car, RC airplane, RC helicopter, airsoft gun, etc;
Advanced MCU control & Δ V function
& 5 hours timer control;
Ramp-up function for over-discharge battery pack;
Full protection for short-circuit & reverse polarity & over temperature;
Auto-detect of non-rechargeable battery & defective battery;



LC006-00

Product DESCRIPTION : 7S-8S Ni-MH Smart Charger

Specification : AC Input: 100-240V AC 60/50Hz
Output: 8.4V-9.6V 600mA

Features : Suitable for Ni-MH 2-6 cells battery packs in RC car, RC airplane, RC helicopter, airsoft gun, etc;
Advanced MCU control & Δ V function
& 5 hours timer control;
Ramp-up function for over-discharge battery pack;
Full protection for short-circuit & reverse polarity & over temperature;
Auto-detect of non-rechargeable battery & defective battery;



JLC002-21

Product DESCRIPTION : 5S-10S 1A/2A Ni-MH Smart Charger

Specification : AC Input: 100-240V AC 60/50Hz
Output: 6V-12V 1A/2A

Features : Suitable for Ni-MH 5-10 cells battery packs in RC car, RC airplane, RC helicopter, airsoft gun, etc;
Advanced MCU control & Δ V function
& 5 hours timer control;
Ramp-up function for over-discharge battery pack;
Full protection for short-circuit & reverse polarity & over temperature;
Auto-detect of non-rechargeable battery & defective battery;



JLC006-01

Product description	: 1-4cells LI-Ion/Polymer Smart Charger
Specification	: AC Input: 100-240V AC 60/50Hz Output: 3.7V-14.8V 0.5A
Features	: Suitable for LI-Ion/LI-polymer 1-4 cells battery pack; CC-CV charging & advanced IC control; Switch button for 3.7V,7.4V,11.1V,14.8V battery pack; Full protection for short-circuit & reverse polarity; Two color LED indicates charging status; Universal AC input for worldwide use;



JCG60-146100-11

Product description	: 12.8V 4A LiFePO4 Battery Charger
Specification	: AC Input: 100-240V AC 60/50Hz Output: 12.8V 4A
Features	: Smart charger for 12.8V 4-cell LiFePO4 battery pack; Do not charge battery pack with capacity less than 4000mAh; Full protection for short-circuit & reverse polarity&over temperature; LED indicate charging process;



JCG150F-146100

Product description	: 12.8V 10A LiFePO4 Battery Charger
Specification	: AC Input: 100-240V AC 60/50Hz Output: 12.8V 10A
Features	: Smart charger for 12.8V 4-cell LiFePO4 battery pack; Do not charge battery pack with capacity less than 10A; Full protection for short-circuit & reverse polarity&over temperature; LED indicate charging process;



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