61.122.391.051-ARE-A2说明书/七国语言说明书/105G铜版纸/单黑双面印刷/风琴折6折再对折/390*200mm/A3

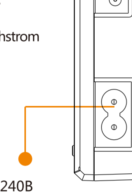
FENIX
LIGHTING FOR EXTREMES

61.122.391.051-A3-20190103

ARE-A2

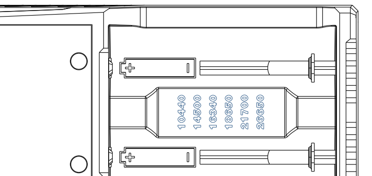
Dual Channels Charger

User Manual



Pic1
图1
Fig. 1
dessin 1
Рис. 1
Foto 1
Bild 1

Pic2
图2
Fig. 2
dessin 2
Рис. 2
Foto 2
Bild 2



c UL US LISTED E483382

FENIXLIGHT LIMITED

Tel:+86-755-29631163/83/93 Fax:+86-755-29631181
www.fenixlight.com E-mail:info@fenixlight.com
Address: 8/F,2nd Building,DongFangMing Industrial Center,
33rd District,Bao'an, Shenzhen 518133,China
Made in China/ Shenzhen He Xinyu Technology Co., Ltd. (ODM)

(ENGLISH) Main Features

- Compatible with the following battery types:
  1. 10440,14500,16340,18650.21700.26650 Li-ion
  2. AAA, AA, C Ni-MH/Ni-Cd
- Support AC100-240V/50-60Hz or DC12-24V
- LCD screen for charging display
- LCD screen for battery display
- Short-circuit protection, overcurrent protection, overvoltage protection and reverse polarity protection
- Micro-computer chip controlled; digitally regulated charging to extend battery lifetime

Specification Parameters

- Supports AC100-240V/50-60Hz or DC12-24V, from external power source to the charger
- Rated output power: 3W (Ni-MH/Ni-Cd), 8.4W (Li-ion)
- To charge the batteries, the details are as follows:

Operating Mode	To charge the batteries	
Voltage	4.2V	1.5V
Current	1.0A	1.0A
Battery Type	10440,14500,16340, 18650,21700,26650	AA AAA C

- Size: 5.87" Length x 2.95" Width x 1.59" Height/149 x 75 x 40.5 mm
- Weight: 6.28 oz/178 grams(excluding charging cable)
- Operating temperature: -20℃ to 50℃
- Operating humidity: 5% to 90%
- Storage temperature: -20℃ to 80℃

Safety Specification

Compliant Standards: UL, GS, PSE, FCC, CE, CB, RoHS, WEEE,

How to use

1. Battery Insertion
Keep the battery polarity markings in conformity with the charger markings.
* Only charge the allowed batteries, and never charge non-rechargeable batteries.

2. Battery Charging
- "∞-form" port is the AC charging port, and round one is the DC charging port.(Pic 1)
- Connect to the power supply; LCD display screen will turn on. Insert the battery. The LCD screen will display the charging status and battery level.
- While charging,the corresponding channel will display voltage and the battery type, Li-ion or Mi-MH/Mi-Cd.
- The rated charging current of the two channels is 1A per channel, which will be less than 1A while charging.
- Two independent channels can be used separately. Therefore, it is normal for the batteries to continue charging if you exchange the two fully-charged batteries position.

Note: 1. There will be no trickle charging if Li-ion batteries are fully charged to prevent overcharging.
2. There will be trickle charging of 3-5mA of Ni-MH/Ni-Cd batteries to ensure they are fully charged.

3. LCD Screen Display
1) The LCD screen will display for 2 seconds after connecting to the power supply (Pic 2). If there is compatible battery in the channel, the LCD screen will display charging state. If not, 2 seconds later, the LCD screen will only display the battery symbol, and then the screen will go out after 30 seconds. Single click the channel button A or B, the screen will be lit up.
2) The two channels are separately controlled by the two buttons. The battery type and battery voltage will be displayed after battery insertion. Single click the button, the screen will cycle through battery voltage→charging current→charging time. Long press any button to turn off the LCD screen. Single click the button will turn on the LCD screen again, then the battery voltage will be displayed.

4. Battery Level Indicator
The charger will automatically detect the battery level when battery is inserted in power source. The battery level will be displayed on the LCD screen through battery status bar, then start charging. If there is no power connected, the battery level can't be detected and displayed, even with battery inserted.
Battery level will be displayed by the battery status bar:
One flashing, four off: less than 20%, in charging process
One bar constantly on, one flashing, three off: 20% - 40%, in charging process
Two bars constantly on, one flashing, two off: 40% - 60%, in charging process
Three bars constantly on, one flashing, one off: 60%- 80%, in charging process
Four bars constantly on, one flashing: more than 80%, in charging process
Five bars constantly on: fully charged

5. Short-circuit Protection
When short circuit is detected, charging will autostop.

6. Reverse Polarity Protection
If the battery is inserted the wrong way around, charging will not begin until batteries are inserted correctly.

7. Over-charging Protection
When fully charged, the charging current on the LCD screen will be displayed 0.
Notice: It is normal for the battery temperature to below 55℃ during charging. Due to the high charging current, the battery may heat, so please be careful of scalding.

Attention

1. Only intended for rechargeable Li-ion batteries, Ni-MH and Ni-Cd batteries. Other types of batteries may cause battery breach, leakage or explosion, and even cause damage to people and property.
2. Use the battery charger in normal working condition and cut off the power completely after usage.
3. Insert the battery properly.
4. Do not dismantle or modify the charger or use it for any other purpose.
5. Keep the charger out of reach of children. Children should use the battery charger only under adult supervision.

Guarantee Period: 12 months

(中文) 产品特点

- 本产品适用于给如下电池充电：
  1. 一节或两节锂离子电池：10440,14500,16340,18650.21700.26650充电电池
  2. 一节或两节镍氢、镍镉电池：AAA、AA、C电池
- 支持AC100-240V/50-60Hz或DC12-24V充电。
- LCD屏幕显示充电状态。
- LCD屏幕显示电池电量。
- 具备短路保护、过电流保护、过电压保护、电池反接保护功能。
- 微电脑芯片控制的智能式充电，延长电池使用寿命。

规格参数

- 输入：支持AC100-240V/50-60Hz/0.35A或DC12-24V/1.0A充电，此为外部电源给充电器的供电的参数;
- 额定输出功率：3W（镍氢/镍镉电池）/8.4W（锂离子电池）;
- 充电电池充电情况具体如下：

工作方式	对电池充电	
电　压	4.2V	1.5V
电　流	1.0A	1.0A
电　池 类　型	10440,14500,16340, 18650.21700.26650	AA AAA C

- 外观尺寸：149毫米（长）×75毫米（宽）×40.5毫米（高）
- 重　　量：178克（不含充电线）
- 工作温度：-20℃ 至 50℃
- 工作湿度：5% 至 90%
- 储藏温度：-20℃ 至 80℃

安全规格

符合UL、GS、PSE、FCC、CE、CB、RoHS、WEEE

使用方法

1、装入电池
保证电池的正负极方向与充电通道底部标识一致。(仅允许对支持的电池充电）

2、给电池充电
- ∞型接口为AC充电接口，圆形接口为DC充电接口(图1)；
- 电源接通，LCD显示屏亮起，放入电池，显示屏上电池框内显示电量和充电状态；
- 充电时，对应通道会显示电池电压，同时显示电池类型Li-ion或NiMH/NiCd;
- 两个通道的额定充电电流均为1A；实际充电过程中，充电电流可能会略小于1A;
- 两个通道独立控制，互不干扰。因两个通道电路独立，可能存在细小差别，所以把两个刚充满电的电池交换通道放置，可能存在其中一个通道继续短时间充电的情况，属于正常现象。

注意：为防止锂电池过充，锂电池充满后，充电环路停止，无涓流补电；
镍氢/镍镉电池充满后，充电环路停止，仍然会有约3-5mA涓流补电，使其完全充满。

3、LCD屏幕显示方式
1)接通电源后，显示屏亮起并显示2秒(图2)；如果通道内有充电器支持的充电电池，则会显示充电状态；如果双通道内没有电池，则两秒后显示屏会只显示通道上方的电池框图案，30秒后显示屏熄灭；熄灭后单击任何一个通道的按钮A或B，屏幕亮起。
2)两个按钮独立控制两个通道的充电显示，当放入电池时会显示电池类型，同时显示电池电压；单击按钮，会依次在电池电压→充电电流→充电时间→循环；长按其中一个按钮会关闭屏幕，屏幕关闭状态下，单击其中一个按钮会启动屏幕，此时会显示电池电压。

4、电量检测
在有电源接入情况下装入电池后，充电器会自动检测电池电量，并通过显示屏内对应电池框内显示的格数来显示电量和电池电压，并给予充电；如果没有外部电源接入，放入电池不会监测和显示电量：
一格闪烁，其余四格熄灭表示电量小于20%,且正在充电
一格常亮，一格闪烁，其余三格熄灭表示电量在20%-40%,且正在充电
两格常亮，一格闪烁，其余二格熄灭表示电量在40%-60%,且正在充电
三格常亮，一格闪烁，其余一格熄灭表示电量在60%-80%,且正在充电
四格常亮，一格闪烁表示电量在80%以上,且正在充电
五格常亮表示电池已经被充满，充电完毕。

5、短路电路保护：当充电器检测到电路短路时，充电自动停止。

6、电池反接保护：当充电器检测到电池反向放入电池槽时，充电自动停止。

7、过充保护：当电池充满后，充电环路停止，此时显示屏充电电流会显示为0。

提示：
产品充电时由于功率较大，电池会发热，常温下充电，电池温度在55摄氏度以下属于正常现象，但是要防止烫伤，注意安全。

注意事项

1、本充电器可充锂离子电池、镍氢电池、镍镉电池充电时使用，对其它规格/类型的电池进行充电可能导致电池破裂或漏液、爆炸甚至造成人身伤害或财产损失。
2、请在正常工作环境中使用本充电器，使用完毕请切断电源。
3、请正确装入电池。
4、请勿拆卸、组装充电器或用作其他用途。
5、请放置在儿童无法触及的安全地点，不可让儿童在无人监护的情况下使用本充电器。

保修期：自售出12个月内