

客户(customer) :

SPECIFICATION

型号 :

MODEL:替代AL1115CV锂电充电器10.8V

规格书编号 :

DOCUMENT NO.:YX-G048

客户型号 :

CUSTOMER MODEL:BS锂电充电器3.6-10.8V

日期 :

DATE: 2019.07.08

品名 :

DESCRIPTION: LI-ION CHARGER 锂电充电器

安规标准 :

SAFTY STANDARD:EN60335-2

确认后签名,并返回一份。

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MODEL NO. 型号	BS 3.6-10.8V锂电充电器1.5A			FILE NO. 文件编号	YX-G048	
DESCRIPTION 规格描述	CHAGER,I/O:100-240VAC 50/60HZ 1.5A			REV. 版本号	REV01	
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1. SCOPE 范围

1.1.DESCRPTION 描述

The document introduces the electronical and environmental specifications of charger for li-ion.

此规格书介绍了适用于锂电充电器的电性能及使用环境。

2.INPUT CHARACTERISTICS 电性能

2.1.INPUTVOLTAGE&FREQUENCY 输入电压及频率

The charger operates input voltage from 100vac to 240vac.frequency:47-63hz.

此充电器输入电压范围为:100-240VAC ,频率为47-63HZ.

2.2.INPUT CURRENT :输入电流

The charger input current is less than 0.3A whent it works in 100vac.

此充电器在 100VAC 下输入电流最大不超过0.3A.

3.OUTPUT CHARACTERS :输出参数

3.1.OUTPUT VOLTAGE &CURRENT. 输出电压及电流

The output voltage is over 12.5 v,is less than12.65v.output current is between1.3A and1.5A.

此充电器输出电压为 12.5V~12.65 V.电流为1.3~ 1.5A.

3.2 TURN ON 开机时间

The time for the charger turns on must less than 5 second.充电器开机时间应小于5S.

3.3.WORK STATIC 工作状态

The charger works in CC/CV mode. Once the charger is operating, the charger operates in CC mode due to low battery voltage.

充电器工作在CC/CV模式下。一旦充电器工作，由于电池电压低，充电器工作CC模式。

1)After the charger is powered on, the green light is always on. When the battery is plugged in and the communication is successful, the green light 1HZ flashes and the charger outputs 1.5A and starts charging.

When the battery is fully charged, the green light flashes to a steady green light.

充电器通电后绿灯常亮，当插上电池通讯成功绿灯1HZ闪亮充电器输出1.5A开始充电。当电池充满绿灯闪转为绿灯常亮。

2)the red light flashes when abnormal charging or battery failure.

充电异常与电池故障红灯闪烁。

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3)The charger has a built-in timer, which can be turned off unconditionally within three hours. Automatic identification and detection of 3.6/10.8 lithium battery, fully charged and automatically shut down.
充电器内置定时器，三小时无条件关停。自动识别和检测3.6/10.8锂电池，充满电并且自动关停。

The charger monitors the battery temperature throughout the charging process, and stops charging unconditionally when the temperature reaches 50 degrees.
充电器充电过程全程监控电池温度，当温度达到50度无条件停止充电

4.PROTECTION 保护

- 4.1.Overload protection过载保护.
- 4.2.Over temperature protection过温保护
- 4.3.Over current protection过流保护
- 4.4.Output shorted protection 输出短路保护.
- 4.5.Input low voltage protection 欠压保护

5.Environmental condition 环境条件

5.1.Operation condition操作环境条件

Charge operates in -5°C to-40°C. 充电工作-5°C-40°C.

Humidity:20%-85% 湿度:20%-85%.

5.2.Storage condition贮藏条件

Charge storage condition:-20°C TO 70°C.充电贮藏-5°C-40°C.

5.3.Cooling method冷却方式

Free convection 自然冷却.

5.4.Elevation 海拔

海拔 5000米以下.

6.Electionmagnetic compablity电磁兼容

6.1.EMI 电磁干扰

The charger EMI meets with EN55013 & FCC PART 15B

EMIC EN55013 & FCC PART 15B.

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6.2.ESD 静电

The charger is cable to withstand ESD test voltage at any point around the encource as be low,herein refer to IEC6100-4-2.

After applied +/-4KV contact discharge and the charger is no function erro.

After applied +/-8KV air discharge and the charger is no function erro.

充电器胶壳任何一点能承受如下静电.因此,参考IEC61000-4-2.空气放电8KV,接触放电4KV.

7.Reliability 可靠性

7.1. MTBF 平均无故障寿命时间

在正常的操作与使用的情况下,充电器的最小平均无故障寿命时间符合(MIL-STD-217F)20000小时.

The charger shall have a minimum predicted MTBF(MIL-STD-217F) of 20000hours at mormal operation condition and nnormal use.

7.2 Lifetime使用期

Lifetime of the charger shall be more than 10000hours under input rating voltage and mean output current.

Normal operation conditions and use:

-Ambient temperature:25±2°C

-Stabdy(0mA): 1 hours/day

-charger operate method:(Specified normal load):23hours/day

在额定输入电压范围内和正常输出电流的情况下,充电器使用寿命应大于10000小时.

正常使用条件如下:

-环境温度:25±2°C

-待机状态:1小时/天

-充电器充电状态:23小时/天.

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8.Safety安全性

8.1.Safety standard安规标准

The Charger meets with safety standard:EN60335.

充电器符合安规标准：EN60335

8.2.Dielectric withstand voltage 介质承受电压

HI-POT:PRI-SECOND: 2KV 5MA 5S

高压测试：初级次级:2KV 5MA 3S

8.3.Insulation resistance 绝缘阻抗

DC 500V PRI-SECOND Insulation resistance

初级-次级：DC 500V 100 MOHM.

9.Warning警告

- 1.the charger used indoor. 室内使用.
- 2.don't shorted batter.严禁电池短路.
- 3.don't open che charger,shock dangerous.严禁打开充电器,电击危险.
- 4.Don't expose charger in rain or against damp place.

别将充电器暴露在雨中或潮湿的地方。

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10.Product Appearance Chart产品外观图



product dimension: 151*113*62mm

product weight :0.22kg

package information,

box for one pcs product: 155*74*142mm

box weight with one pcs product :0.3kg

carton : 40 boxes ,600*400*330mm, 13.2kg

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