

广东世能能源科技有限公司

充电器规格书

产品名称:	锂电池充电器
型 号:	SNLC-J2560-3C2P (25.2V 8A)
版 本:	A.0

制定/日期	审核/日期	批准/日期
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客户确 认/日期		客户确认 签章	
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KP-240S 系列
充电器
(全铝外壳)
CHARGER
(Aluminum enclosure)



1. 概述

General

KP-240S 系列,145*90*50mm 的铁质外壳充电器，具有反接保护功能。
The series KP-240S ， 145*90*50mmiron shell charger with reverse polarity protection function.

2. 主要参数

Main product specification

型号 Model	KP240S
最大输出电压 Max output voltage	25.2V
输出电流 Output current	8A±5%
最大输出功率 Max. output power	240W
输入电压 Input voltage	☐ 90-132Vac ☒ 190-260Vac

3. 环境条件

Environmental condition

序号 No.	项目 Item	技术参数 Technical specification	备注 Remark
1	湿度 Humidity	5~95%	带包装 With package
2	海拔 Altitude	≤3000m	正常工作 Work normally

4. 技术特征

Electrical characteristics

4.1 输入特征：

Input characteristic

序号 No.	项目 Item	技术参数 Technical specification	备注 Remark
1	额定输入电压 Rated input voltage	☐ 110Vac ☒ 220Vac	
2	电压输入范围 Input voltage range	☐ 90-132Vac ☒ 190-260Vac	
3	频率 AC input voltage frequency	50~60 Hz	

4.2 输出特征和充电模式:

Output characteristic or charge stages

序号 No.	项目 Item	技术参数 Technical specification	备注 Remark
1	标称电压	☒ 24V	
2	恒流 CC (constant current)	25.2V	
		8A	
3	恒压 CV (constant voltage)	25.2VV 8A ↓	
4	效率 Power efficiency	≥88%	输入电压 220Vac, 额定负载 Vin=220Vac, rated load

4.3 保护特征:

Protection characteristics

序号 No.	项目 Item	技术参数 Technical specification	备注 Remark
1	限压保护 Software over voltage protection	充电器输出电压不会超过设定电池的最大充电电压。 The charger output voltage does not exceed set the maximum charging voltage of the battery.	
2	过热保护 Thermal protection	铝壳内侧温度>65℃, 自动关断 变压器温度>110℃, 自动关断 Aluminum shell the inside temperature>65℃, Automatic Shutdown Transformer temperature>110℃, Automatic Shutdown	
3	限流保护 Current limiting protection	充电器输出电流不会超过设定的电池最大充电电流。 The charger output current does not exceed a set battery charge current.	恒流 At CC mode

4.4 充电指示

Charging indicator

序号 No.	项目 Item	状态 Status	备注 Remark
1	电源 Power on	LED1: 红灯 Red LED2: 绿灯 Green	
2	充电 Charging	LED1: 红灯 Red LED2: 红灯 Red	
3	充满 Fully charged	LED1:红灯 Red LED2: 绿灯 Green	
4	输出电压显示 Charging Voltage Display	是 Yes	
5	输出电流显示 Charging Current Display	是 Yes	

5. 环境测试要求

Environmental testing requirements

序号 No.	项目 Item	技术参数 Technical specification	备注 Remark
1	最高环境工作温度 High environmental temperature ambient operating	+40℃	性能正常 Features OK
2	最低环境工作温度 Low environmental temperature ambient operating	-10℃	性能正常 Features OK
3	最高存储温度 High temperature storage	+70℃	在恢复正常温度 2 小时后，充电器能正常工作。 Work normally after recovery under normal temperature for 2 hours
4	最低存储温度 Low temperature storage	-40℃	在恢复正常温度 2 小时后，充电器能正常工作。 Work normally after recovery under normal temperature for 2 hours
5	防水等级	IP30	

6. 机械特征

Mechanical characteristic:

外壳材质: 铁

Shell material: iron

外壳尺寸: 长*宽*高=145*90*50 毫米

Outline dimension: L*W*H=145*90*50mm

输入接口: 通过 IEC 标准

Input socket: meets IEC standard

电源线: 1.5 米长

AC wires: 1.5m length

输出线: 1.5 米长

DC wire: 1.2m length

净重: 1 千克

Net Weigh: 1Kg

7. 包装, 运输方式和存储方式

Package, transportation & storage

8.1 包装:

Package:

包装盒内有产品名称, 型号, 生产厂家名称, 安全标准, 序号, 使用说明书以及装箱单。

There is product name, model, name of manufacturer, safety approval, serial number, User Manual and packing list in the package box.

8.2 运输方式:

Transportation:

适用于货车装运, 产品需放在阴凉干燥处, 装卸时请小心。

Suit for transportation by truck, the products should be Placed in cool dry place, and loaded and unloaded carefully.

8.3 存储方式:

Storage:

当产品不使用时, 应放在包装盒内。仓库极限温度应在-40~70℃, 常态温度应在-20~50℃, 相对湿度为 5~95%, 并且仓库内不能有有害气体, 易燃品, 爆炸品, 腐蚀性等化学物品及强有力的机械震动、冲击和磁场影响。包装盒需放在距离地面至少 20cm 高, 距离墙, 热源, 和通风口 50cm 远。充电器在此种存储条件下可以放两年, 超过两年须重新检测。充电器必须每三个月通电一次, 通电时间应不少于 0.5 小时。

Products should be stored in package box when it is not used. And Warehouse extreme temperatures should be -40 ~ 70 °C, the normal temperature -20 ~ 50 °C, and relative

humidity is 5~95%. In the warehouse, there should not be harmful gas, inflammable, explosive products, and corrosive chemical products, and strong mechanical vibration, shock and strong magnetic field affection. The package box should be above ground at least 20cm height, and 50cm away from wall, thermal source, and vent. Under this requirement, product has 2 years of storage period, and should be rechecked when over 2 years.

8. 可靠度需求

Reliability requirements

MTBF (标准, 环境温度, 负载要求) $\geq 50K$ 小时;

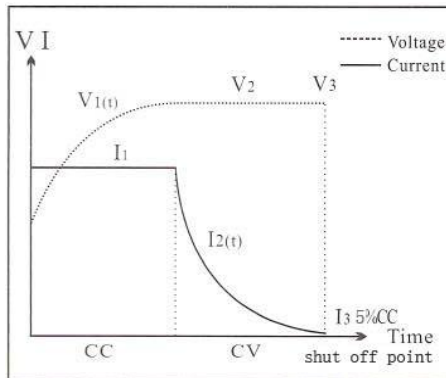
MTBF (standard, environmental temperature, load requirement) $\geq 50K$ hours;

测试条件: 25°C, 满载, 测试通过值。

testing condition: 25°C, full load, testing proved value.

9. 充电曲线

Charging Curve



10. 标贴



Battery Charger

KP240S

AC:190-260V DC:25.2V, 8A

Validation of S/N is required for manufacturer warranty



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Charging Indicator:

LED1

● PowerOn

LED2

● Charging

● Cut-off state(lithium battery)
● Float state (lead acid battery)

DC Output Wire: CAUTION:

Brown wire:DC(+)

Blue wire:DC(-)

CE

- * The charger must be used for at least 10 minutes every 2 months to revive the capacitor.
- * Break all AC and battery connections before adjusting the AC input voltage manually. Then connect charger to AC/mains/grid first, let the charger adapt to the local AC voltage for 30 seconds before connecting the battery
- * Always check if the local grid voltage matches the AC configuration of the charger
- * Always check connector/cabel polarity before connecting to battery pack.
- * Only for usage in well ventilated, dry, and particle free environment
- * Do not obstruct the cooling ventilation channels
- * Keep away from spillable liquid and sources of fire
- * Keep away from children, never leave the battery unattended during charging

