

128G双面铜版纸，风琴折印刷
单页尺寸:70*100mm
英文在前，中文在后
料号：6.1.04002.019.02



Electronics manager

Model:CB20

User Manual

Please read the user manual carefully before use



Scan the code to watch the installation video

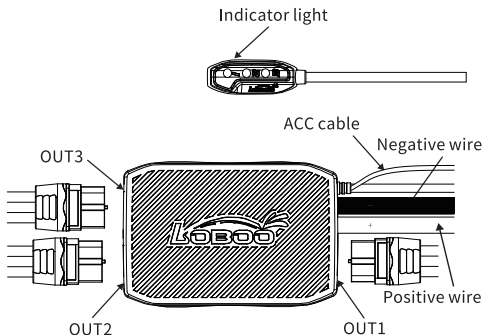
I. Specification

Size	72.8mm×50.4mm×16.9mm/2.87in×1.98in×0.67in
Weight(Includes cable, and indicator light)	127g/4.48oz
Working voltage	12-15V
OUT1	20A (MAX)
OUT2	15A (MAX)
OUT3	10A (MAX)
Low voltage protection	When the power supply input voltage is lower than 11V, OUT2 and OUT3 indicators will flash slowly for 1 minute and then turn off the output; when the power supply input voltage is lower than 10V, OUT1 indicator will flash slowly for 3 minutes and then turn off the output.
Over voltage protection	When the power input voltage is higher than 24V, the three outputs are turned off and the indicator light is off.
Voltage withstand protection	55V
Over current protection	Single-circuit load current larger than 25A automatically shut down, corresponding indicator light fast flash.
Short-circuit protection	Automatic shutdown when single circuit load is short-circuited, corresponding indicator light flashes rapidly
Overheat protection	When the temperature is higher than 80°C/176°F the device is automatically turn off and the corresponding indicator light turn off.
Reverse connection protection	When the positive and negative terminals are reversed, the device will stop outputting.
Waterproof and dustproof	IP65

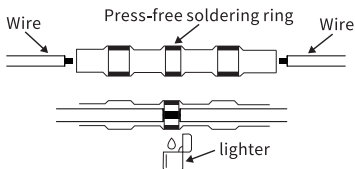
II . Package list

NO.	Name	QTY
1	Electronics manager	1
2	Female output cable	3
3	Press-free soldering ring	8
4	Cable tie	15
5	Battery maintenance tip card	1
6	User manual	1

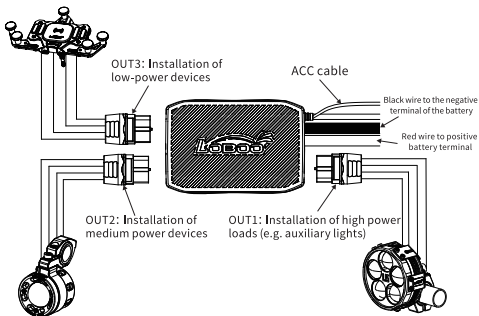
III. Product Diagram



*How to use the press-free soldering ring: Remove the protective layer of the wire that needs to be connected, insert one wire into the soldering ring, cross-tighten it with the other wire, move the soldering ring to the intersection of the two wires and copper wires, and use a lighter to heat it to above $138^{\circ}\text{C}/280.4^{\circ}\text{F}$. After the tin ring is fully dissolved, heat the heat shrinkable tube to shrink it.



IV. Installation Diagram



Notes: ACC refers to the 12V-15V wire on a motorcycle that is powered on when the key is turned on (constant on) and powered off when the key door is closed (constant off)

V. Precautions

1. This product can only be used on 12V motorcycle batteries and cannot be used outside the range, otherwise it may cause product damage and unknown safety risks.
2. Please do not disassemble or modify this product at will.
3. Do not immerse this product in water.
4. When cleaning stains on the surface of the product, please use clean water at room temperature and wipe it with a soft cloth. Do not rinse directly. It is strictly forbidden to use acidic and alkaline liquids to come into contact with this product.
5. Keep out of reach of children.
6. Please do not use it as a toy.
7. Do not expose this product to fire or extreme heat.
8. Do not damage the factory-supplied cables.

Warranty Card

When you need warranty service, please present this warranty card and fill in the relevant content in detail. The company provides product users with a 12-month free warranty service from the date of product purchase.

Warranty content:

1. Product quality problems occur under normal use.
2. Product damage caused by incorrect operating methods is not covered by the free warranty.
3. Alteration of the machine number or LOGO, tearing of labels, self-disassembly, modification, use beyond the scope, etc. are not covered by the warranty.

Please read the warranty terms in detail before use. Removing the packaging and using it indicates acceptance of these after-sales service terms. If you do not agree with the above service terms, please do not use it and contact the dealer for return. For products with paid warranty, the cost shall be based on the actual cost of replacement materials, and no additional labor costs will be charged.

Model	CB20	Factory Number	
Purchase Date		Dealer	
Customer Name		Contact Number	
Customer Address			
Fault Description			

(This warranty card is valid for photocopyin)



摩托车电池智能保护器

型号:CB20

说明书

请使用前认真阅读说明书

扫码观看安装
使用教程视频



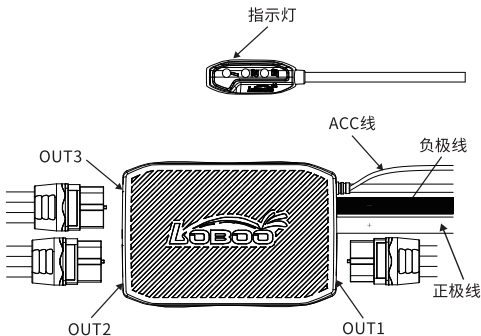
一、规格参数

尺寸	72.8mm × 50.4mm × 16.9mm
重量(含线材、主体、指示灯)	127g
工作电压	12-15V
OUT1	20A (MAX)
OUT2	15A (MAX)
OUT3	10A (MAX)
欠压保护	电源输入电压低于11V时, OUT2、OUT3 指示灯慢闪1分钟后关闭输出; 电源输入电压低于10V时, OUT1 指示灯慢闪3分钟后熄灭并关闭输出。
过压保护	电源输入电压高于24V时, 关闭三路输出, 指示灯熄灭。
耐压保护	55V
过流保护	单路负载电流大于25A自动关闭, 对应指示灯快闪。
短路保护	单路负载短路时自动关闭, 对应指示灯快闪。
过温保护	保护器温度高于80℃自动关闭, 对应指示灯熄灭。
反接保护	正负极反接, 保护器无输出不烧坏。
防尘防水等级	IP65

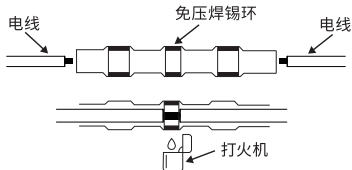
二、产品清单

序号	名称	数量
1	摩托车电池智能保护器	1
2	母头输出线	3
3	免压焊锡环	8
4	扎线带	15
5	电池保养提示卡	1
6	说明书	1

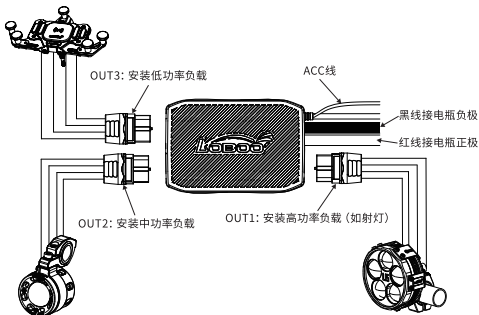
三、产品示意图



*免压焊锡环使用方法: 去掉电线需要连接部分保护层, 将一条电线插入焊锡环, 与另外一条电线交叉拧紧, 把焊锡环移动至两条电线铜线交叉位置, 用打火机加热至 138°C 以上使锡环充分溶解, 再加热收缩热缩管即可。



四、安装示意图



注：ACC是指摩托车上钥匙门打开即通电（长通）、关闭钥匙门即断电（长断）的12V-15V电线

五、注意事项

1. 本产品仅能在12V摩托车电瓶上使用，不可超范围使用，否则有可能会对产品损坏和未知的安全风险。
2. 请勿随意拆卸或改造本产品。
3. 请勿将本产品浸于水中。
4. 清洁产品表面污渍时请使用常温清水并使用较柔软的布擦拭，请勿直接冲洗，严禁用酸碱液体接触本产品。
5. 请勿让儿童接触本产品。
6. 请勿当玩具使用。
7. 请勿将本产品置于火中或极热条件下。
8. 请勿破坏出厂提供的线缆。

保修卡

需要保修服务时,请出示本保修卡,并请详尽填写相关内容。本公司向产品用户提供从产品购买之日起12个月的免费保修服务。

保修范围:

1. 在正常使用的状态下出现产品质量问题。
2. 本产品安装涉及相关专业知识,需由专业技师安装,因安装不当导致产品损坏不在免费保修范围之内。
3. 涂改机身号或LOGO、撕毁标贴、自行拆机、改装、超范围使用等不予保修。

使用前请仔细阅读相关售后服务条款,拆除包装并使用即表示接受此售后服务条款,如不同意上述服务条款,请勿使用,并联系经销商退货。对于收费保修的产品,费用以实际更换材料费用为准,不另收取人工费用。

产品型号	CB20	出厂编号	
购买日期		经销商	
客户姓名		联系电话	
客户地址			
产品异常现象描述			

(本保修卡复印有效)