



# 产品规格承认书

## Product Specification Approval

产品名称 (Product Name) :	3.5 寸 TFT 显示屏 3.5 inch TFT display	
产品型号 (Product Number) :	DL-A3.5L	
客 户 名 (Customer Name) :		
客户料号 (Customer P/N) :		
送样日期 Sample Delivery Date	版次 Version	文件编号 Document No.
	A0	
编制(Prepared by)	核准(Approved)	审核(Audit)
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客户确认栏 Customer Confirmation Column		
确认意见 Confirm opinion:		
客户签章 Customer signature:		
日期 Date:		
注意 (Notice) :		
<p>1.收到样机确认 OK 后请及时回签, 7 天内没有回签及问题反馈, 我司默认客户测试合格; 规格书中的图片为通用机型图片, 可能与送样样机有差异, 此份规格书达锂电子保留最终解释权.After receiving the prototype to confirm OK, please sign back in a timely manner, within 7 days without signing back and problem feedback, our default customer test qualified; specifications in the picture for the general model picture, may be different from the delivery of the prototype, this specification by the Dongguan Daly Electronics Co.</p> <p>2.客户批量前, 请在规格书中签字回传, 并说明详细功能说明, 我司才安排批量.Before the customer batches, please sign the specification and return it, and explain the detailed function description, and our company will arrange the batch.</p>		



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## 1. 简介 Introduction

本产品为 BMS 系列的配套设备，可提供直观的电池参数显示，具有操作简单、界面友好等特点。为了正确使用本产品，请先认真阅读用户手册，并妥为保管，以备日后使用。请按用户手册中的要求安装使用、操作。

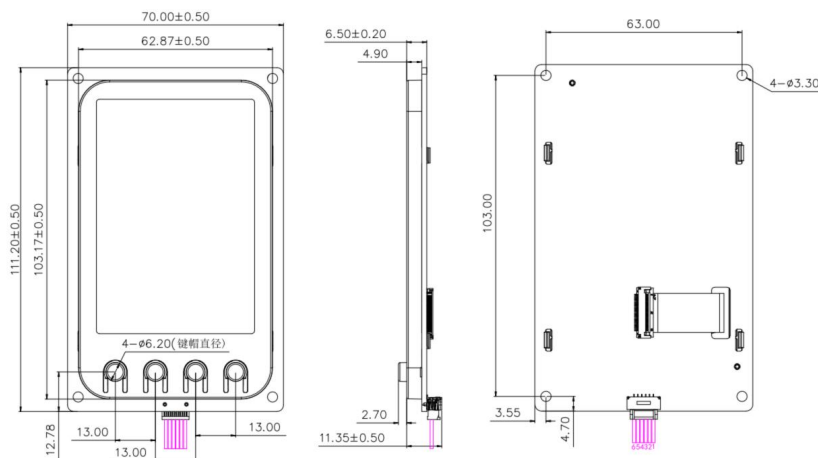
This product is a supporting device of BMS series products, which can provide intuitive battery parameter display and has operation Simple, friendly interface and so on. In order to use this product correctly, please read the user manual carefully and keep it properly for future use. Install, use, and operate according to the requirements in the user manual.

## 2. 产品说明 Product description

### 2.1. 产品说明 Product description

Item	Description
显示屏参数 Display parameter	3.5inch(diagonal); 分辨率 resolution ratio 320x 480; TFT-LCM
MENU	显示当前电池包的 SOC、总压、电流、功率、告警或保护等信息 Displays the SOC, total voltage, current, power, alarm, and protection information of the current battery pack
BMS	可查看电池包的具体信息，比如单体电压、温度采集、容量、BMS 状态等；（也可查看软件版本） You can view the specific information of the battery pack, such as cell voltage, temperature collection, capacity, BMS status, etc. (Also view the software version )
支持串数 Support Strings	最大 16s（支持定制串数）Max 16s（Support customization of Strings）
Parallel	可查看并联汇总信息 You can view summary information about parallel connection
并联汇总 Parallel summary	最大支持 16 个 PACK 并联信息汇总 It supports up to 16 packs in parallel for information summary
Inverter	可查看/选择逆变器协议（支持定制增加协议） You can view/select the inverter protocol（Support custom addition of protocols）
按键 button	四个按键，分别是 Menu、Enter、Down、Esc； The four buttons are Menu, Enter, Down and Esc
转发升级 Forward upgrade	可通过 BMS 转发升级显示屏的软件程序 The software program for upgrading the display can be forwarded via BMS
通讯线 Communication cable	连接线_智能板 UART 通讯线_GH1.25-6Pin_500mm Cable Intelligent board UART communication cable GH1.25-6Pin 500mm
长*宽*高 L*W*H	111.2±0.5mm*70±0.5mm*14.05±1mm
重量 weight	67g±5g
消耗电流 Current consumption	屏幕亮时功耗≤80mA； when the screen is on, it consume ≤80mA 息屏时功耗≤8mA； when the screen is off, it consume ≤8mA

### 2.2. 尺寸图 Dimension drawing

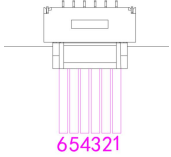


注:此尺寸不包括线束/配件尺寸，请预留合适的空间安装线束/配件

Note: This size does not include the wiring harness/fitting size, please reserve the appropriate space for installing the wiring harness/fitting

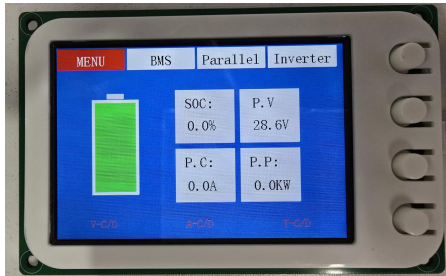


### 2.3. 接口说明 Interface description

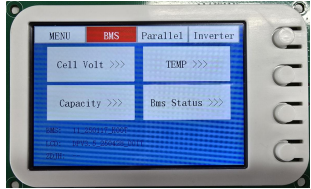

引脚 PIN	定义 definition	说明 description	接口规格 interface spec
PIN1	GND	地 GND	 <p>654321</p>
PIN2	3.3V	直流 3.3V 输入 DC +3.3V INPUT	
PIN3	12V	直流 12V 输入 DC +12V INPUT	
PIN4	/	空 None	
PIN5	TX	通讯发送端 Communication sending terminal	
PIN6	RX	通讯接收端 Communication receiver	

## 3. 页面说明 Page instruction

### 3.1. Menu

内容 Item	说明 description	单位 Unit	图片 Picture（仅供参考 For reference only）
SOC	电池剩余容量 battery remaining capacity	%	
P.V	电池总压 overall battery voltage	V	
P.C	充放电电流 charging and discharging current	A	
P.P	功率 Power	KW	
V-C	过充保护 overcharge protection	/	
V-D	过放保护 over-discharge protection		
A-C	充电过流保护 Charge over-current protection		
A-D	放电过流保护 Discharge over-current protection		
T-C	充电温度保护 Charge temperature protection		
T-D	放电温度保护 Discharge temperature protection		
CHG	充电闪标（0.5s 亮，0.5s 灭，1s 为一个周期） Charging flash indicator (on for 0.5 seconds, off for 0.5 seconds, with 1 second as one cycle)		

### 3.2. BMS

内容 Item	说明 Description	备注 Remark	图片 Picture (仅供参考 For reference only)
BMS	BMS Home	进入可查看如下信息 Enter to view the below information 单体电压 cell voltage 温度 temperature 容量 capacity BMS 状态 BMS Status LCD、BMS、ZDJH 的软件版本 The software Version of LCD/BMS/ZDJH	
Cell Volt	单体电压 cell voltage	进入可查看所有单体电压信息 Enter to view all cell voltage information 绿色字体: 最大值 Green font: Maximum value 红色字体: 最小值 Red font: Minimum value Volt diff: 最大压差 Maximum voltage difference	



TEMP	温度 temperature	进入可查看 NTC 监测到的温度信息 You can view the temperature information monitored by the NTC	
Capacity	容量 Capacity	SOC--剩余电量百分比 Percentage of remaining electricity CURR--充放电电流 charging and discharging current R.M--电池包安时容量 Battery pack ampere-hour capacity CYCL-- 电池包循环充放电次数 The number of charge and discharge cycles of the battery pack VOLT--电池包总压 Total voltage of the battery pack	
BMS Status	BMS 状态 BMS Status	进入可查看每个 PACK 电池状态是否正常 Enter to check whether the battery status of each PACK is normal	

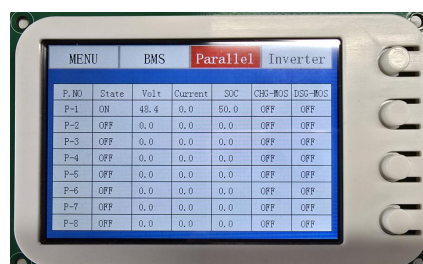
## BMS Status

内容 Item	说明 description	内容 Item	说明 description	内容 Item	说明 description
Cell OV1	单体过充告警 Single Cell over-charge alarm	Cell OVP2	单体过充保护二级 Single Cell over-charge protection Level2	Cell OVP3	单体过充保护三级 Single Cell over-charge protection Level3
Cell UV1	单体过放告警 Single Cell discharge alarm	Cell UVP2	单体过放保护二级 Single Cell over-discharge protection Level2	Cell UVP3	单体过放保护三级 Single Cell over-discharge protection Level3
Pack OV1	总体过充告警 Overall overcharge alarm	Pack OVP2	总体过充保护二级 Overall overcharge protection Level2	Pack OVP3	总体过充保护三级 Overall overcharge protection Level3
Pack UV1	总体过放告警 Overall discharge alarm	Pack UVP2	总体过放保护二级 Overall discharge protection Level2	Pack UVP3	总体过放保护三级 Overall discharge protection Level3
CHG OT1	充电高温告警 Charging high temperature alarm	CHG OTP2	充电高温保护二级 Charging high temperature protection Level2	CHG OTP3	充电高温保护三级 Charging high temperature protection Level3
CHG UT1	充电低温告警 Charge low temperature alarm	CHG UTP2	充电低温保护二级 Charge low temperature protection Level2	CHG UTP3	充电低温保护三级 Charge low temperature protection Level3
DSG OT1	放电高温告警 Discharge high temperature alarm	DSG OTP2	放电高温保护二级 Discharge high temperature protection Level2	DSG OTP3	放电高温保护三级 Discharge high temperature protection Level3
DSG UT1	放电低温告警 Discharge low temperature alarm	DSG UTP2	放电低温保护二级 Discharge low temperature protection Level2	DSG UTP3	放电低温保护三级 Discharge low temperature protection Level3
CHG OC1	充电过流告警 Charge over-current alarm	CHG OCP2	充电过流保护二级 Charge over-current protection Level2	CHG OCP3	充电过流保护三级 Charge over-current protection Level3
DSG OC1	放电过流告警 Discharge over-current alarm	DSG OCP2	放电过流保护二级 Discharge over-current protection Level2	DSG OCP3	放电过流保护三级 Discharge over-current protection Level3

## 3.3. Parallel

此页面可查看并联电池包的汇总信息 This page allows you to view summary information about parallel battery packs

(图片仅供参考 Picture for reference only)

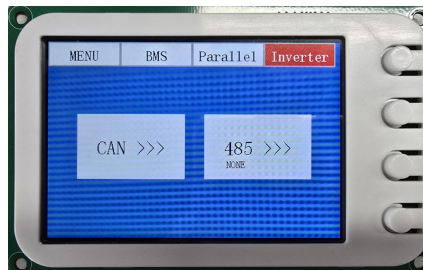




### 3.4. Inverter

此页面可查看当前 BMS 选择的逆变器协议，也可以更换逆变器协议 On this page, you can view the inverter protocol selected by the current BMS, or you can change the inverter protocol

(图片仅供参考 Picture for reference only)



### 4. 工作/存储环境条件 Working/Storage environment condition

温度 temperature:-20℃~70℃；相对湿度 Relative humidity:5%~70%RH；

### 5. 接线使用说明及 APP 下载 Wiring instructions and APP downloads

扫码查看说明书及下载 APP，或使用电脑浏览器登录：<https://www.dalyelec.com/service.html>

Scan the QRcode using the browser to view the user manual and download APP , or use a computer browser to access this website:  
<https://www.dalyelec.com/service.html>



### 6. 特别说明 Special Note

我司产品进行严格的出厂检验测试，但是因为客户使用的环境不同（特别是在高温、超低温、太阳下等），难免会出现保护板故障，所以客户在选择和使用保护板时，需要在友好的环境下使用及选择一定冗余量的保护板。

Our products undergo strict factory inspection and testing, but due to the different environments used by customers (especially in high temperature, ultra-low temperature, under the sun, etc.), it is inevitable that the protection board will fail. Therefore, when customers choose and use BMS, they need to be in a friendly environment, and select a BMS with a certain redundancy capability.

### 产品更改说明 Product change Instructions

版本 (Version)	更改内容 (Change content)	更改人 (Editor)	更改日期 (Change date)
A0	初版发行 Initial release	Moyepeng	2025/3/26