

Specification For Approval

Product Acknowledgement

Product Name: 5-inch LCD touch screen

Product Model: LCD_V3

version Book: A1

material Number:

Customer Name:

Customer Code:

day Issue : 2024/12/01

Formulate	Audit	approve
Li Bo	Zhang Yang	Guo Jing
Customer Confirmation		

Summary of file changes

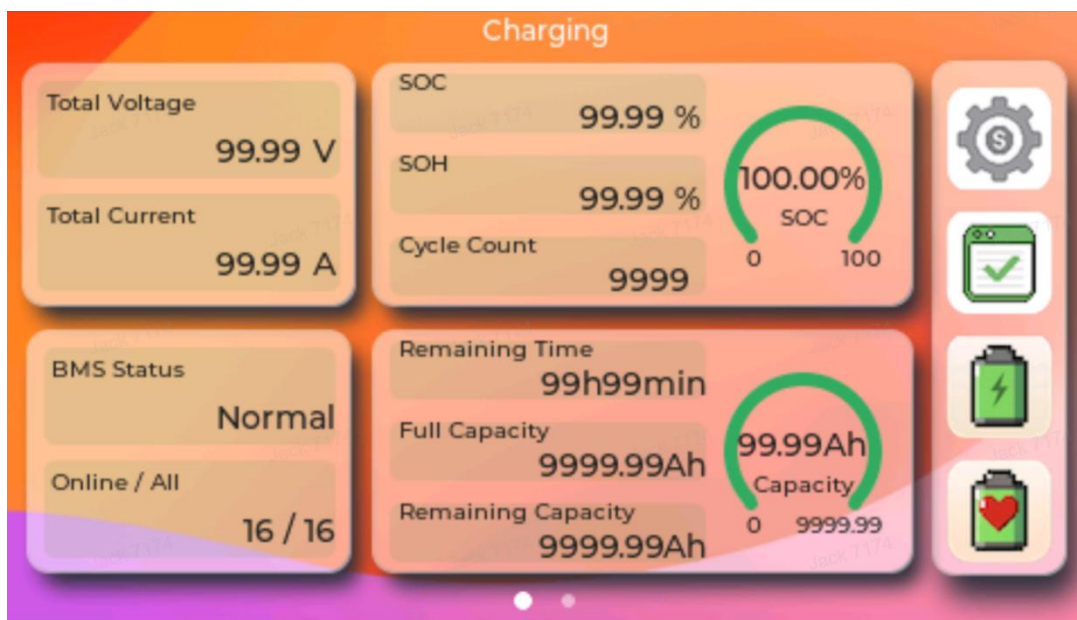
date	Revisions	Revision Notes	Maker	Approver
2024-12-01	A 1	First draft writing	Li Bo	Guo Jing

Product Overview :

This product's 5-inch capacitive LCD touch screen can be used as supporting equipment for home storage BMS, base station BMS, and high-voltage energy storage products. It can summarize the system's total voltage, total current, SOC , SOH , operating status , maximum & minimum temperature, maximum & minimum single cell voltage and other data. It can also intuitively view the single-machine information of each Pack. It has the characteristics of simple operation, friendly interface, and Chinese-English switching.

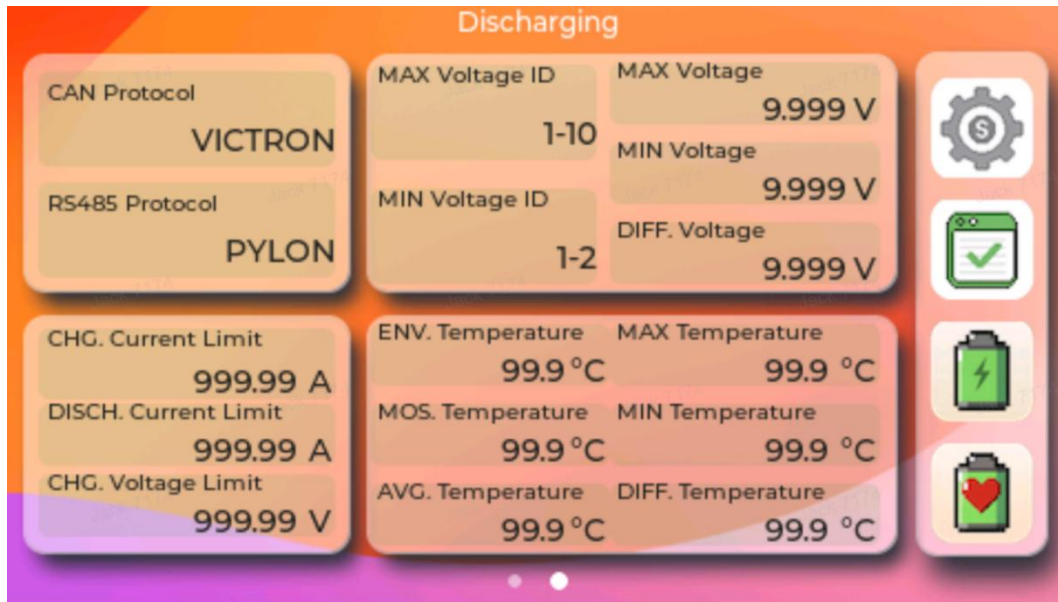
Interface Introduction

2.1. Main interface 1



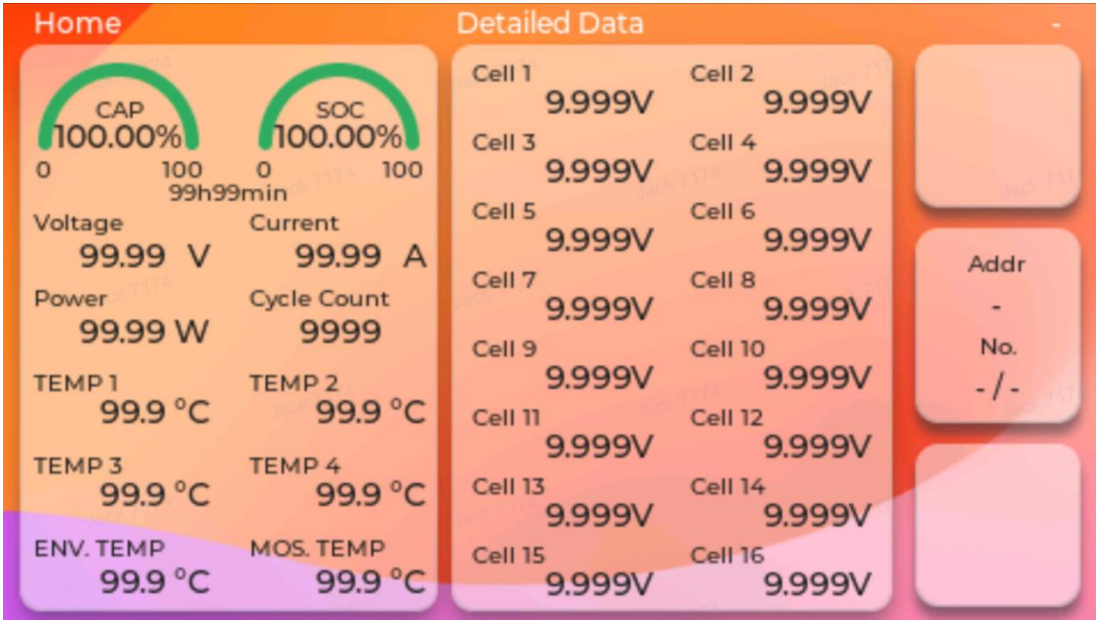
- SOC : Average SOC of all battery packs incorporated into the system
- SOH : The lowest SOH among all battery packs incorporated into the system
- Cycle : The maximum number of cycles among all battery packs incorporated into the system
- Finish Time : System charge and discharge time
- Full Capacity : The sum of the full charge capacities of all batteries incorporated into the system
- Left Cap city : The sum of the remaining capacities of all battery packs incorporated into the system
- Total Voltage : System total voltage
- Total Current : Total current of coefficient
- Bms Status: BMS working status
- Online/all: Number of parallel connections in the system

2.2. Main interface 2

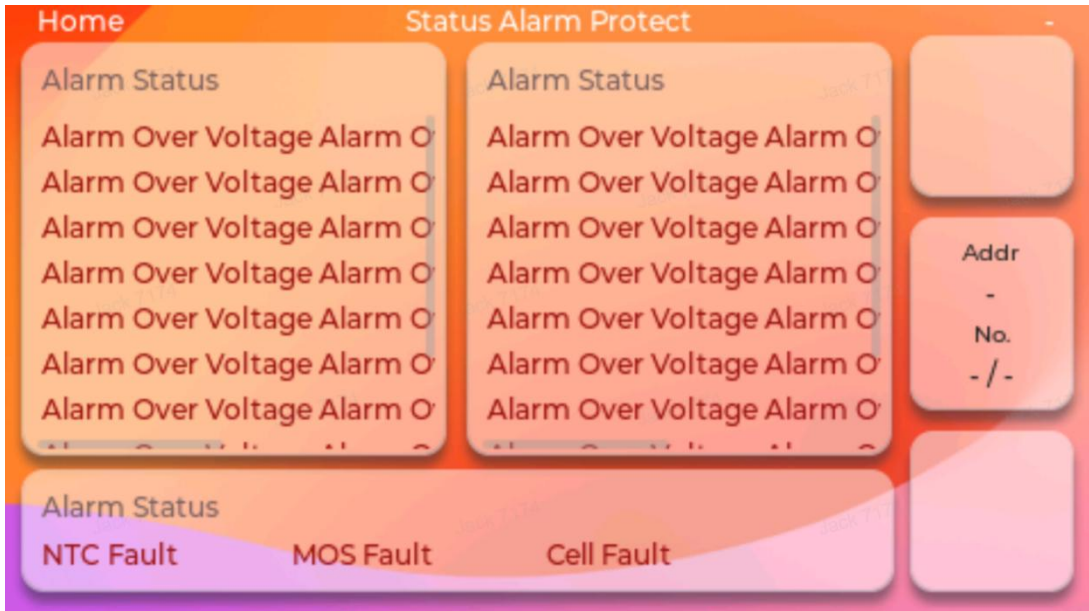


- Max.V.ID : The highest cell is in the 10th cell of the pack at address 1
- Min.V.ID : The lowest cell is in the second cell of the pack at address 1
- Max.V : The maximum single cell voltage of the system
- Min.V : System minimum single cell voltage
- D iff .V : System cell voltage difference
- Env.Temp : System ambient temperature
- Mos.Temp : System M OS temperature
- Max.Temp : Maximum battery cell temperature of the system
- Min. Temp : System minimum battery cell temperature
- Can P rotocol: Current Can protocol
- Rs 485 Protocol : Current 4 85 protocol
- C H G Current Limit : Requested charging current
- DISCH Current Limit : Requested discharge current
- DISCH Voltage Limit : Discharge cut-off voltage

2.3. Screen 1 - Slave Data:



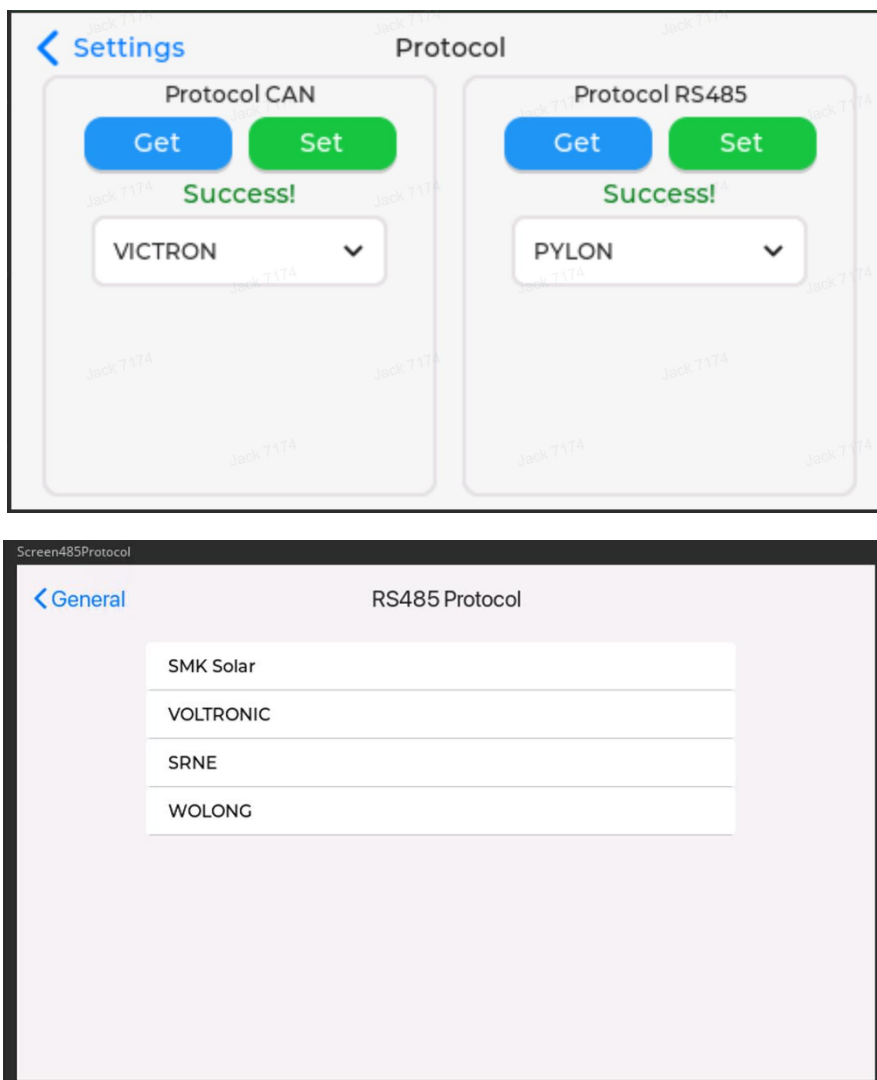
2.4. Screen 2 - Alarm Information



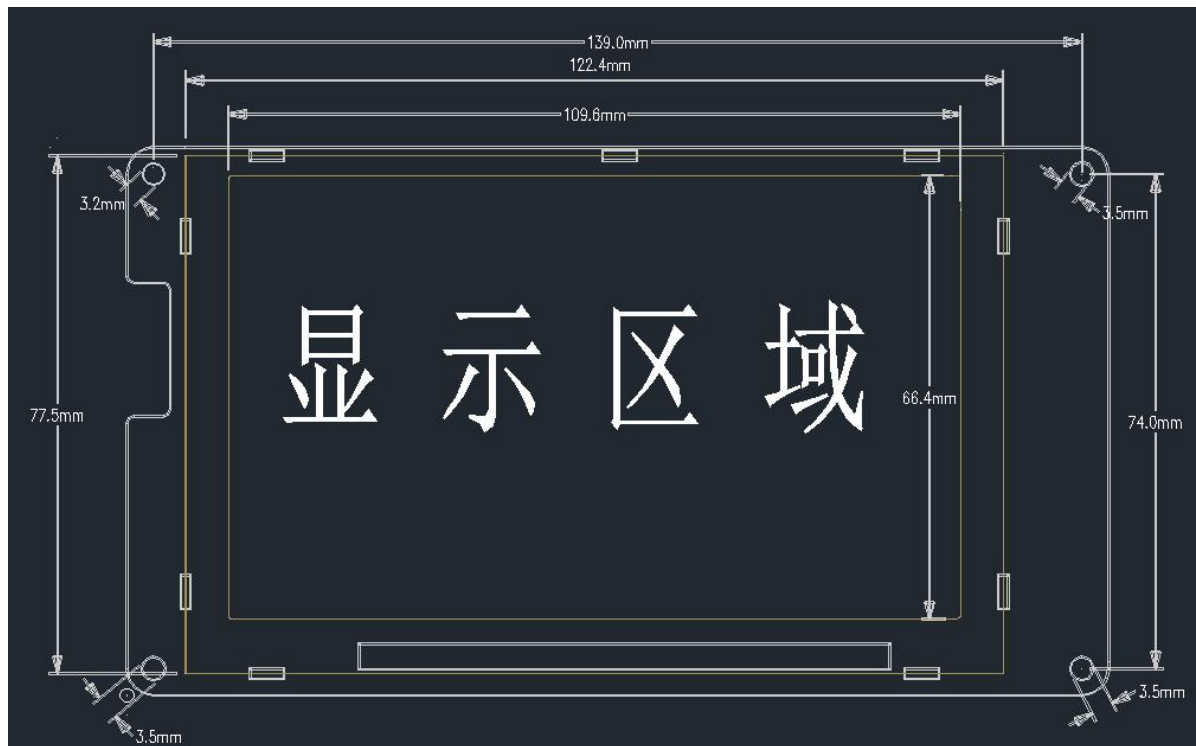
2.5. Interface 4 — Switch between Chinese and English



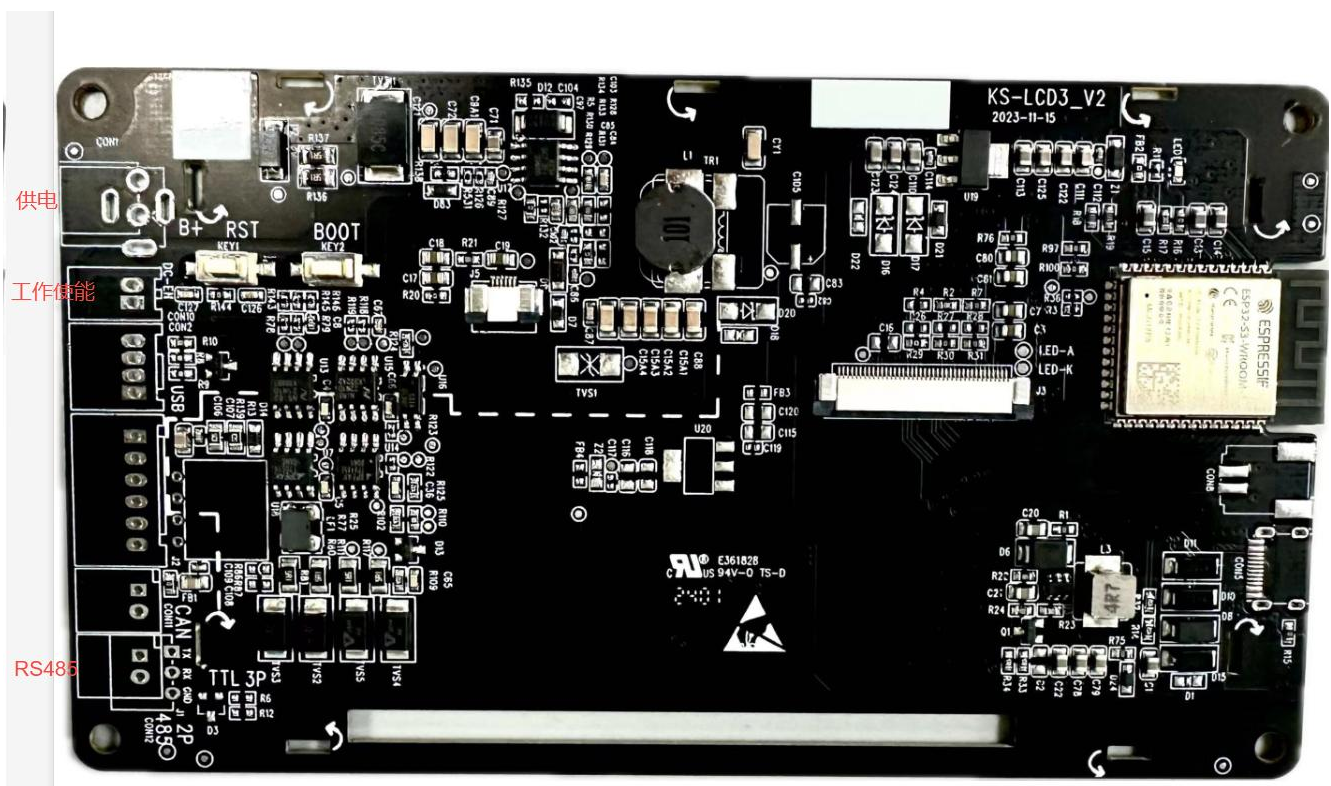
2.6. Interface 5—Protocol Switch



Installation dimensions



Interface Definition



Electrical performance

project	Minimum	maximum	conventional	unit
Operating voltage	10	70	48	V
Operating temperature range	0	6 0	25	℃
Operating humidity range	10	85	/	%
Normal operating power consumption	≤ 100 (DC 12V input)			mA
	≤ 30 (DC48V input)			mA

Precautions for use

- Please peel off the protective film slowly before use to avoid static electricity during the peeling process
- When assembling the LCD module, be careful to avoid distortion or deformation of the LCD module.
- Avoid leaving the LCD screen on for a long time in a certain image, otherwise there is a risk of image sticking.
- Do not store or use the LCD module in direct sunlight, high temperature, high humidity or low temperature, as this may cause damage or failure of the LCD module.
- Only use a soft dry cloth, isopropyl alcohol or ethanol to clean the LCD screen surface. Any other solvents (such as water) may damage the LCD module.
- Do not squeeze the LCD screen or components on the LCD module to avoid potential damage or failure.
- When the LCD screen is cracked, the liquid crystal inside may flow out. Do not swallow the liquid and never let it come into contact with your mouth. Wash skin or clothing thoroughly with soap and water
- The customer face frame window should be larger than the CTP action area, and each side should be ≥ 0.5mm away from the action area
- There should be a rubber pad between the face frame and the CTP panel, with a gap of about 0.5~1mm
- The mounting mechanism should be strong enough to prevent external uneven forces or twisting forces from acting on the screen.