Product Name: 5 inch LCD touch screen

Product model: KS-LCD_V1

Version: A1		
P / N：		
customer name **Customer code** **:Date:**	**2024/12/01**	

1, Product Overview:

This 5-inch capacitive LCD touchscreen is designed to support home energy storage systems (BMS), base station BMS, and high-voltage energy storage equipment. It comprehensively displays system parameters including total voltage, total current, State of Charge (SOC), State of Health (SOH), operational status, maximum/minimum temperatures, and individual cell voltages. The interface features intuitive operation with a user-friendly design that seamlessly switches between Chinese and English interfaces.

II. Interface Description

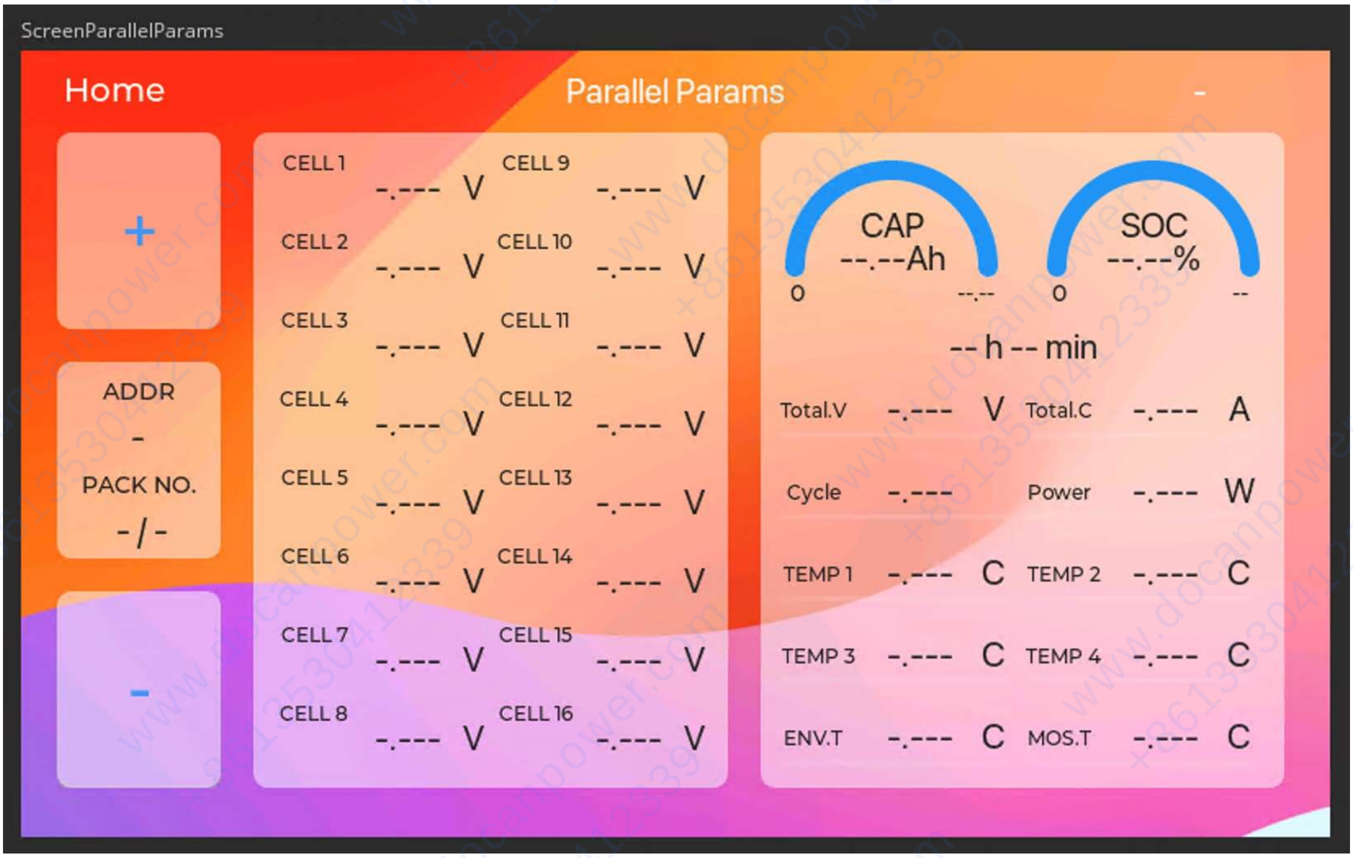
2.1. Home screen 1

- SOC: Average SOC of all battery packs incorporated into the system
- SOH: The lowest SOH of all battery packs in the system
- **Cycle: maximum number of cycles in all battery packs incorporated into the system**
- **Finish Time: System charge and discharge time**
- **Full capacity: the sum of the full charge capacity of all battery packs incorporated into the system**
- **Left Capcity: sum of all battery pack remaining capacity in the system**
- TotalVoltage:
- **Total Current: coefficient total current**
- **Diff Voltage: maximum and minimum voltage difference between individual cells in the system**
- **Diff Temp: maximum and minimum temperature difference of system cells**

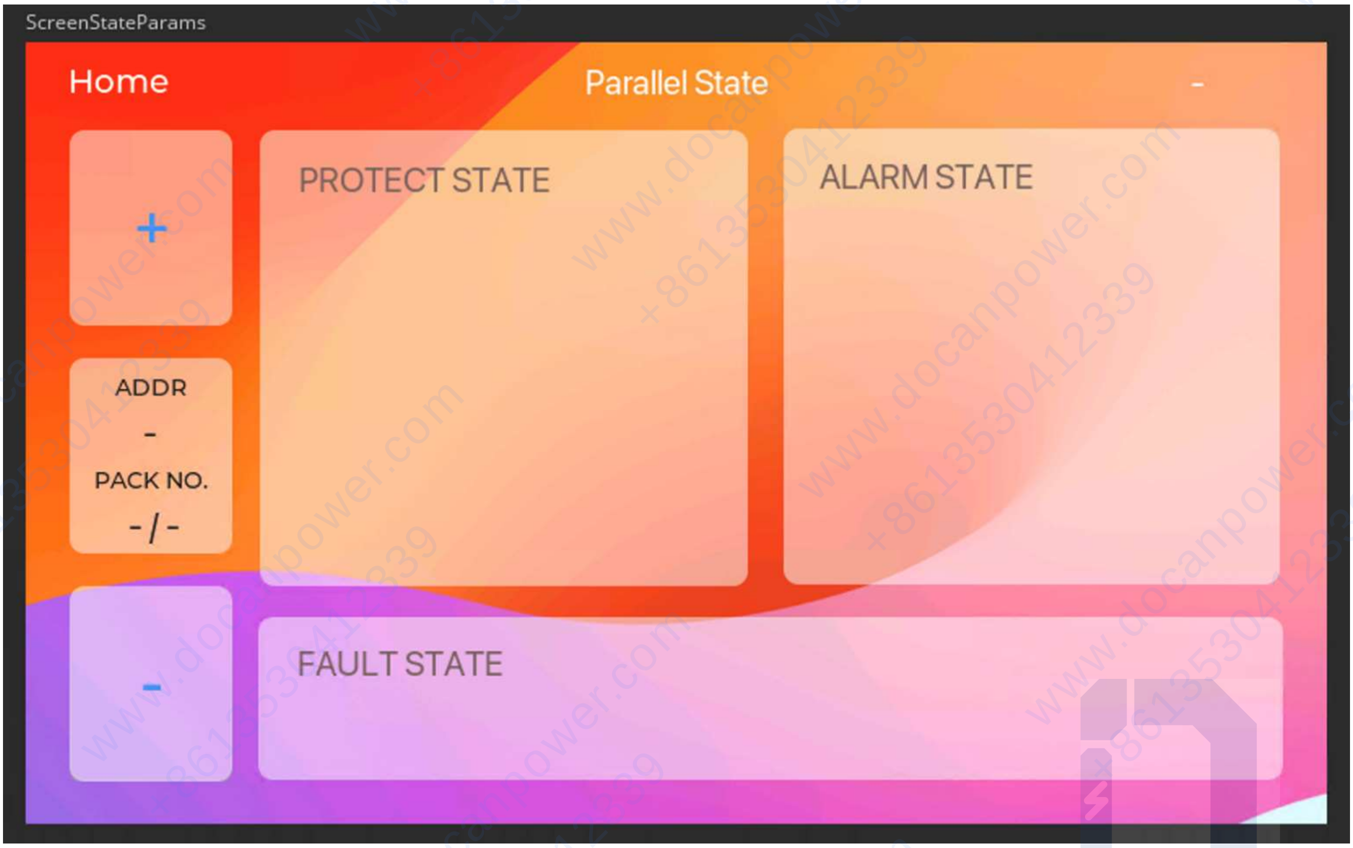
2.2. Home screen 2

- **Max.V.ID: The highest single cell in the 7th section of the Pack at address 2**
- **Min.V.ID: The 15th cell in the Pack with the lowest single cell at address 1**
- **Cell Num: Pack serial number**
- **Max.V: Maximum system voltage per unit**
- **Min.V: Minimum system voltage per unit**
- **Diff.V: System cell pressure difference**
- **Env.Temp: System ambient temperature**
- **Mos.Temp: System MOS temperature**
- **Max.Temp: Maximum cell temperature of the system**
- **Min.Temp: Minimum cell temperature of the system**
- **Diff.Temp: System cell differential pressure**
- **Parallel Number: Number of devices online**
- **Can Protocol: Current Can protocol**
- **Rs485 Protocol: Current 485 protocol**
- **CHG Current Limit: Requested charging current**
- **DISCH Current Limit: Requested discharge current**
- **DISCH Voltage Limit:discharge cutoff voltage**

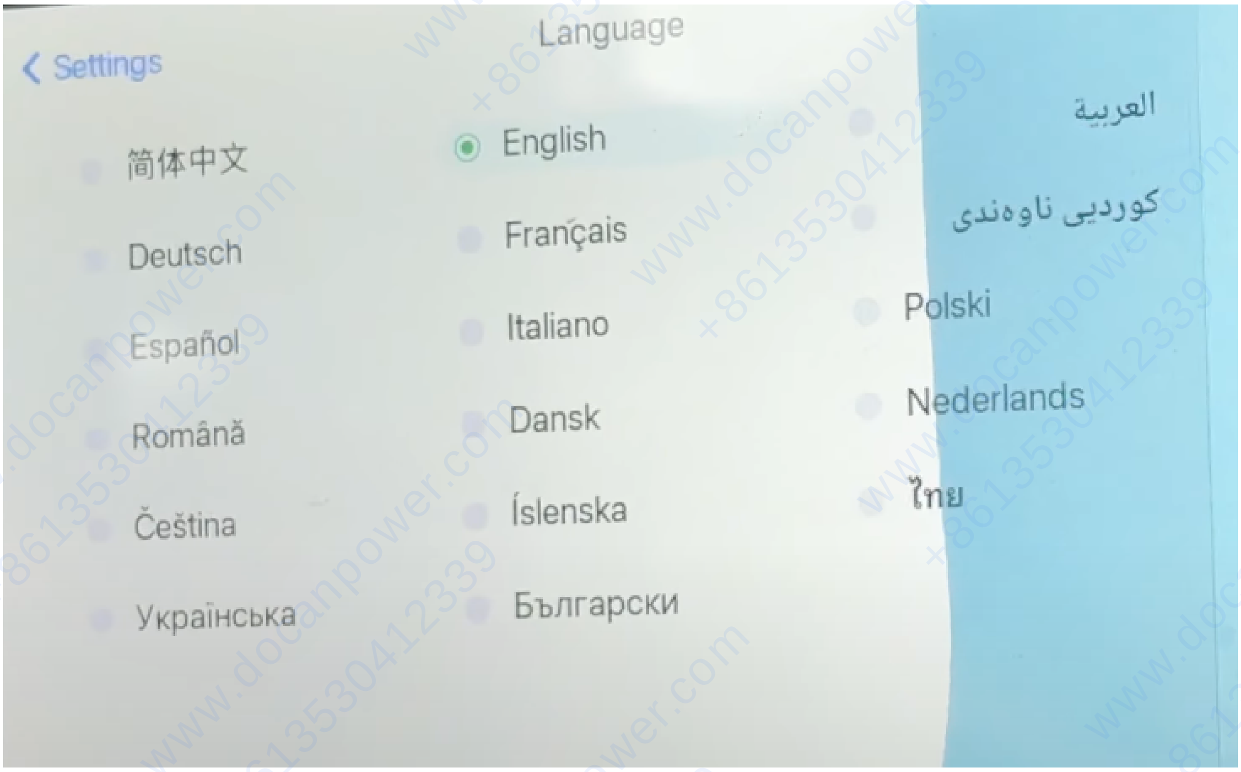
2.3 Interface 1--Slave data



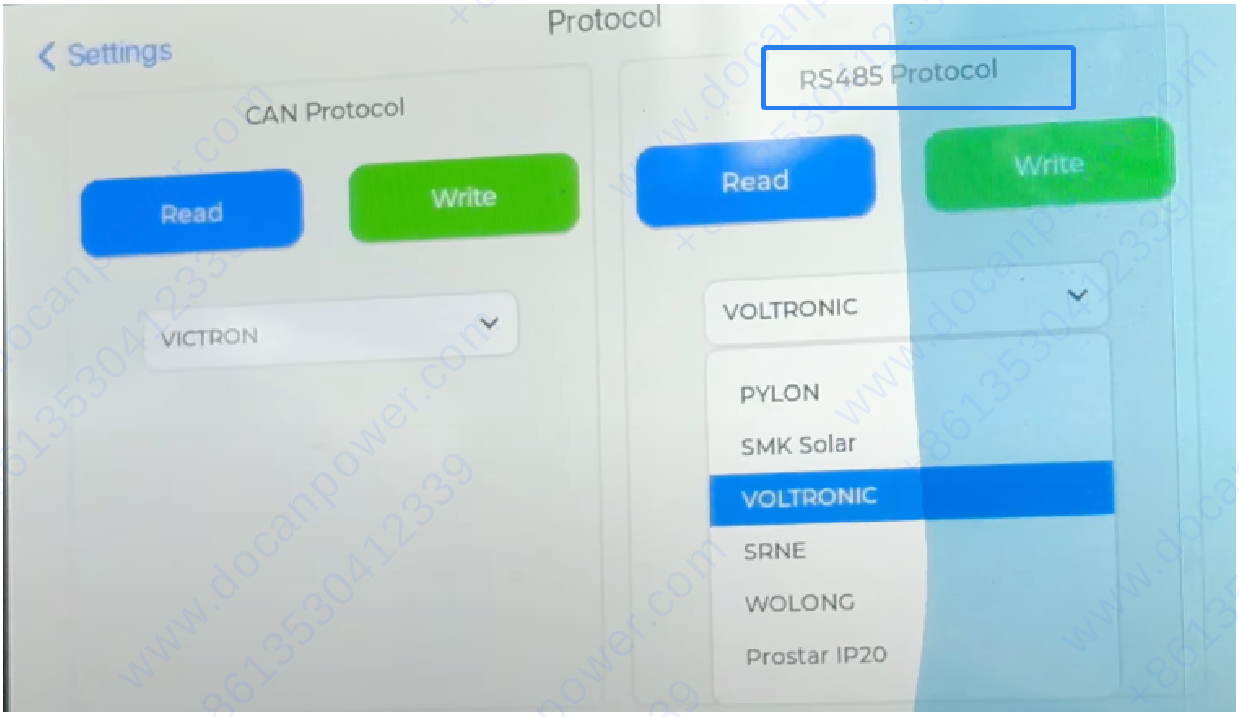
2.4 Interface 2--Alarm information



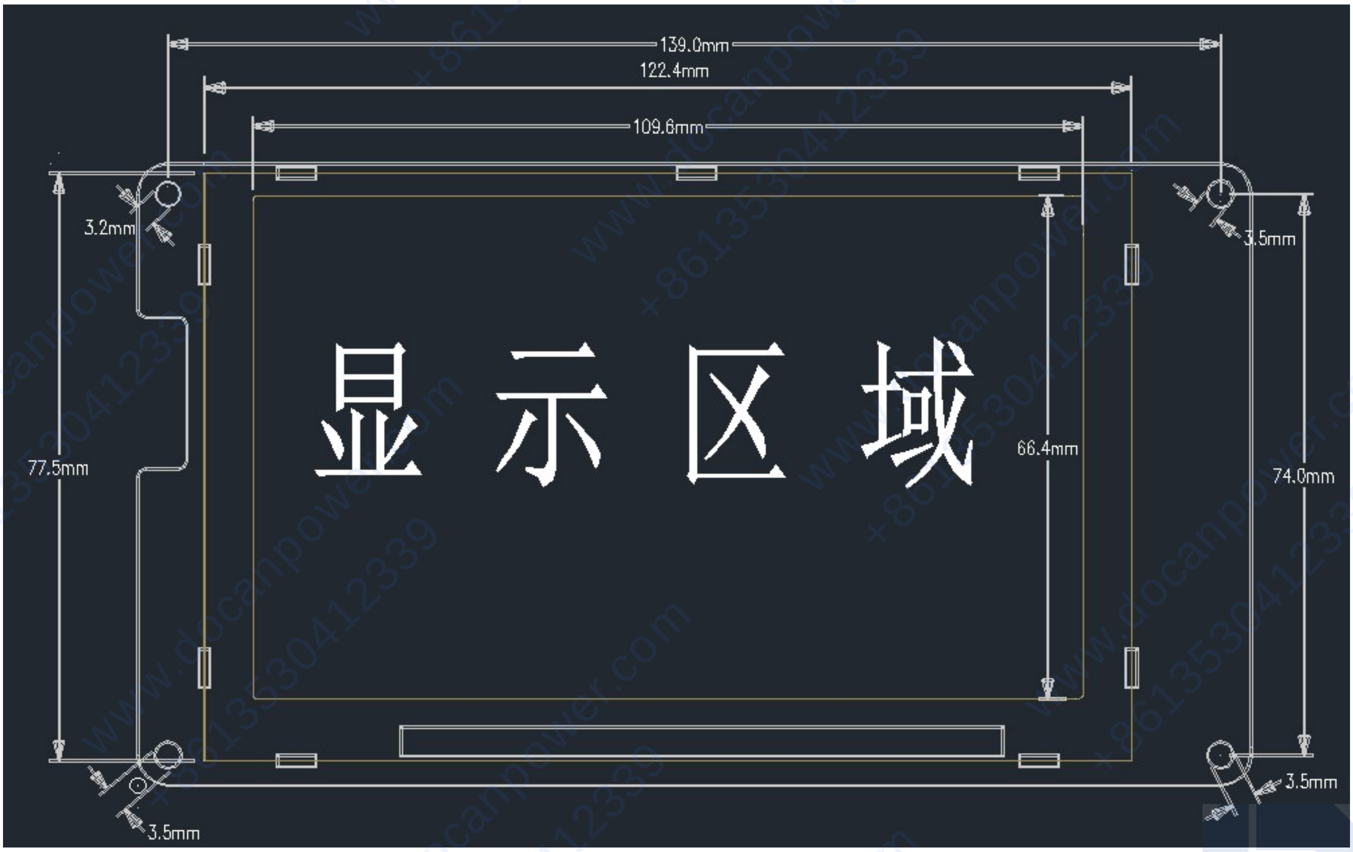
2.5 Interface 4--Switch between 17 languages



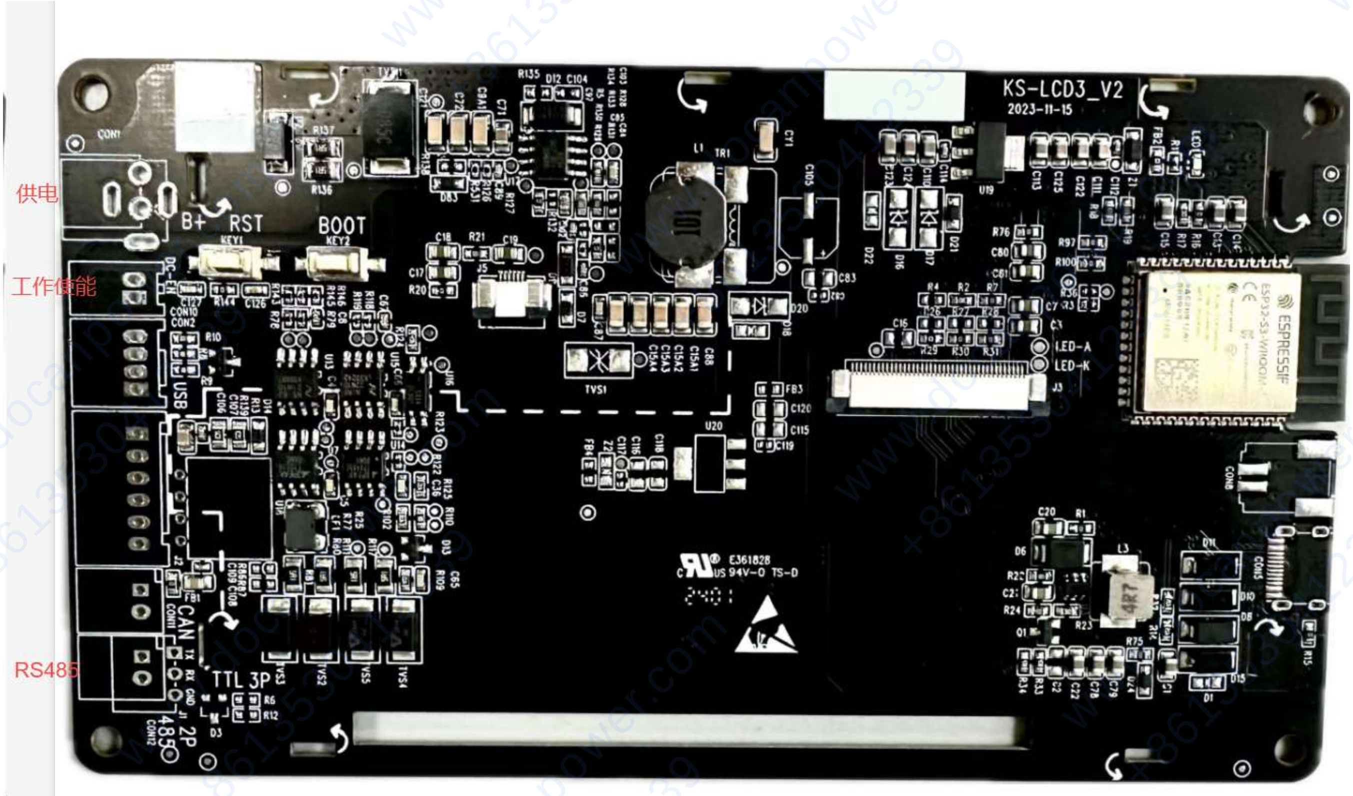
Interface 5--Protocol Switching



III. Installation Dimensions



IV. Interface Definitions



V. Electrical performance

project	minimum	maximum	convention	unit
working voltage	10	70	48	V
operating temperature range	0	60	25	℃
Working humidity range	10	85	/	%
Normal operating power co-nsumption	≤100 (DC12V input)			mA
	≤30 (DC48V input)			mA

VI. USE NOTICE

- Please remove the protective film slowly before use to avoid static electricity during removal
- When assembling the LCD module, pay attention to avoid distortion or deformation of the LCD module
- Avoid the LCD screen being lit for a long time under a certain picture, otherwise there is a risk of residual images
- Do not store or use the LCD module in direct sunlight, high temperature, high humidity or low temperature, which will cause damage or failure of the LCD module
- Only soft dry cloth, isopropyl alcohol or ethanol can be used to clean the LCD screen surface. Any other solvent (such as water) may damage the LCD module
- Do not squeeze the LCD screen or components on the LCD display module to avoid potential damage or failure
- When the LCD screen is broken, the liquid inside the LCD may flow out. The relevant liquid should not be swallowed and should never be touched to the mouth. If it comes into contact with skin or clothes, wash thoroughly with soap and water