

Steps to Balance Nissan Leaf Lithium Battery

Machine Models Suitable for Use 适用机器型号

Nissan Leaf Battery Module

14.4V Vehicle, 24 Modules

Note: This machine can only balance 48 lithium battery cells at a time. For the 24 modules in a set of Nissan Leaf batteries, you need to repair them in two batches of 12 modules each.

Note: The original vehicle's wiring harness can be used. (For filming purposes, a connecting piece is used for connection additionally.)

注意：本机器一次只能平衡48串锂电芯，一组Nissan leaf电池的24片,需要分两次12片模组进行修复。

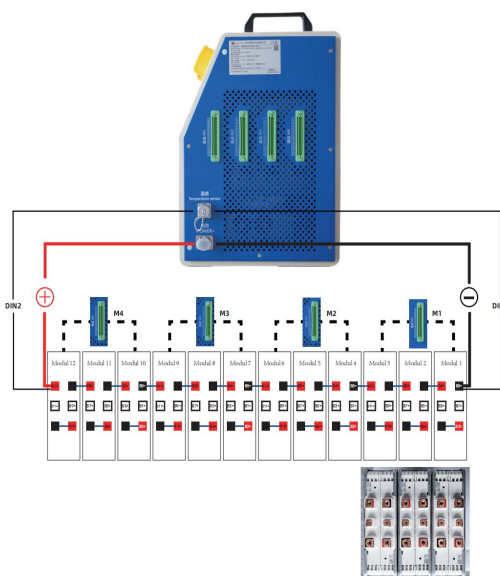
Step1 步骤一



Prepare 准备

Preparatory Work
准备工作

Step2 步骤二



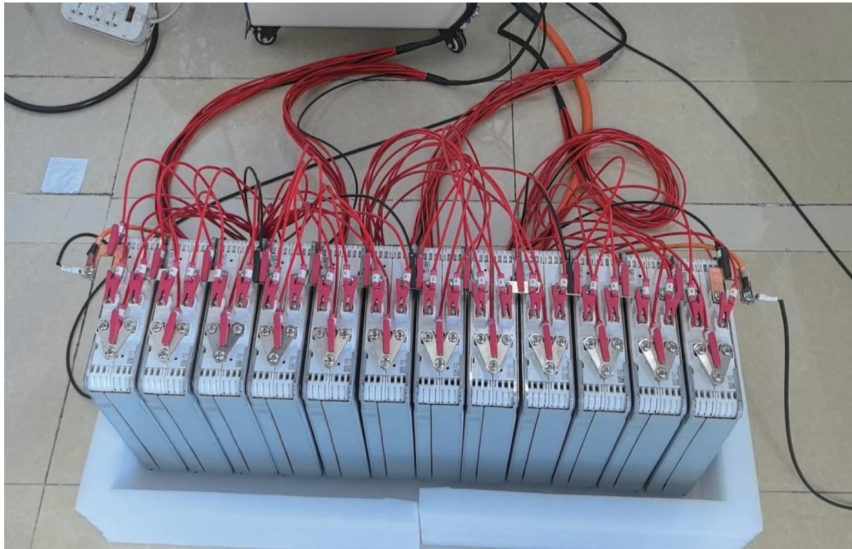
Wiring 连线

Connect the detection
wire and temperature
wire
连接检测线和温度线

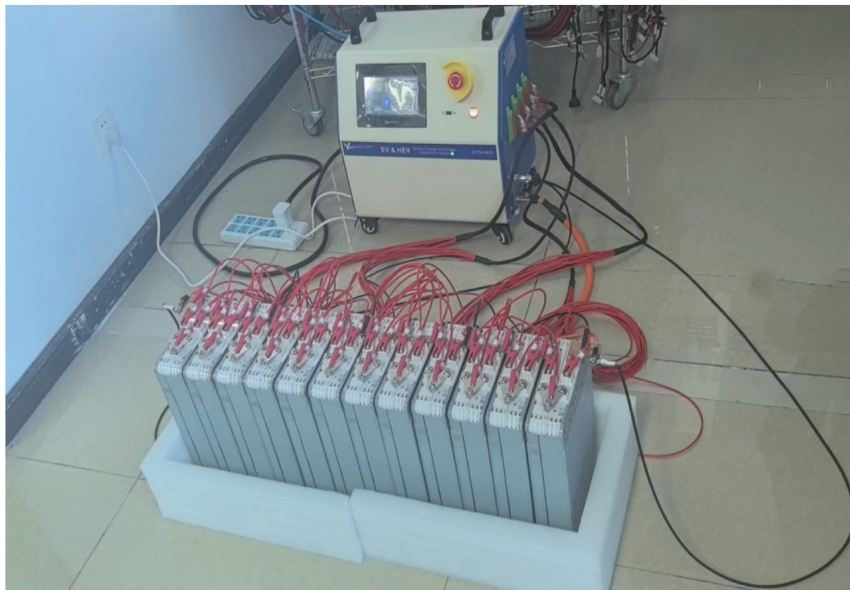
Note: The original vehicle's
orange wiring harness can
be used. (For filming
purposes, a connecting
piece is used for
connection additionally.)

Step2 步骤二

Wiring 连线



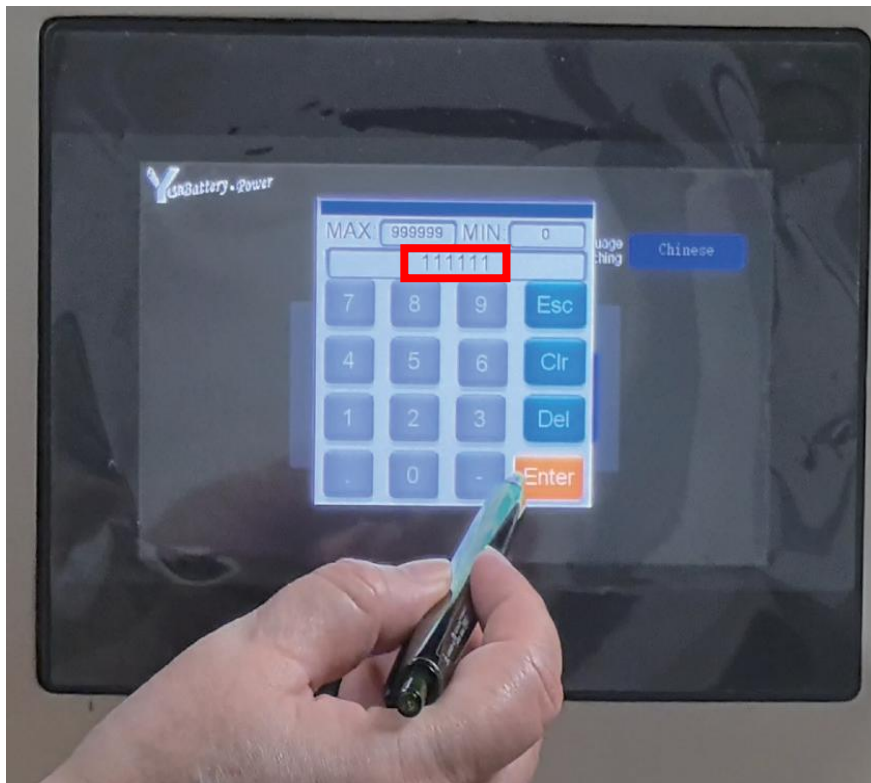
Connect the detection
wire and temperature
wire
连接检测线和温度线



Connect the detection
wire and temperature
wire
连接检测线和温度线

Step3 步骤三

Start up 开机



Enter Password 【111111】
输入密码

Step4 步骤四

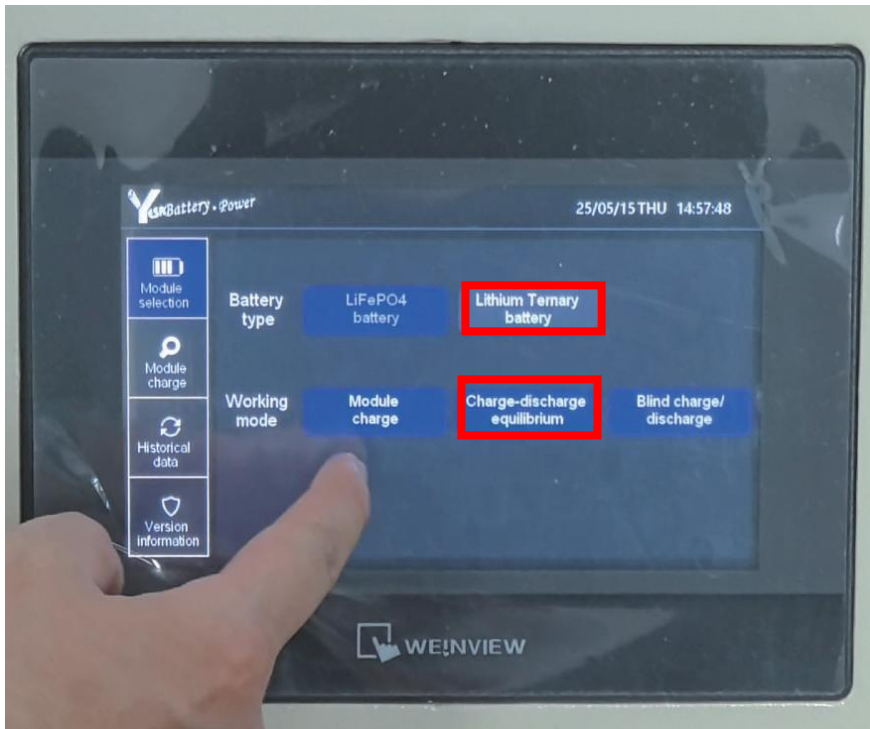
Start up 开机



View the initial voltage of each battery cell.
查看各电芯的初始电压

Step5 步骤五

Balance/Repair 平衡



Set up
设置



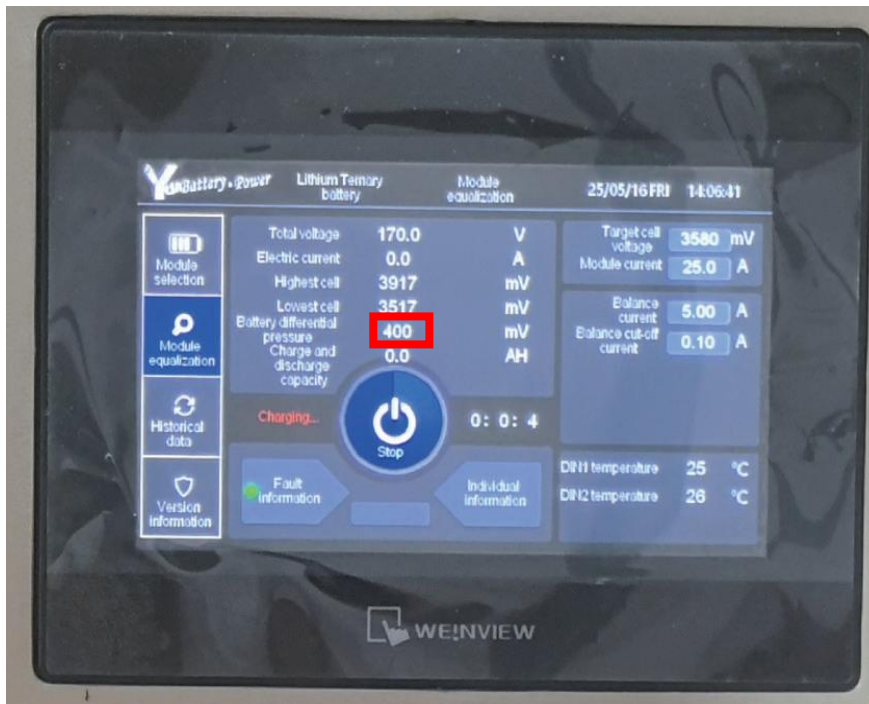
Set the target voltage of
each individual battery cell
to 3.58V.

设置单体电芯的目标电压为
3.58V

Click to Start
点击开始

Step5 步骤五

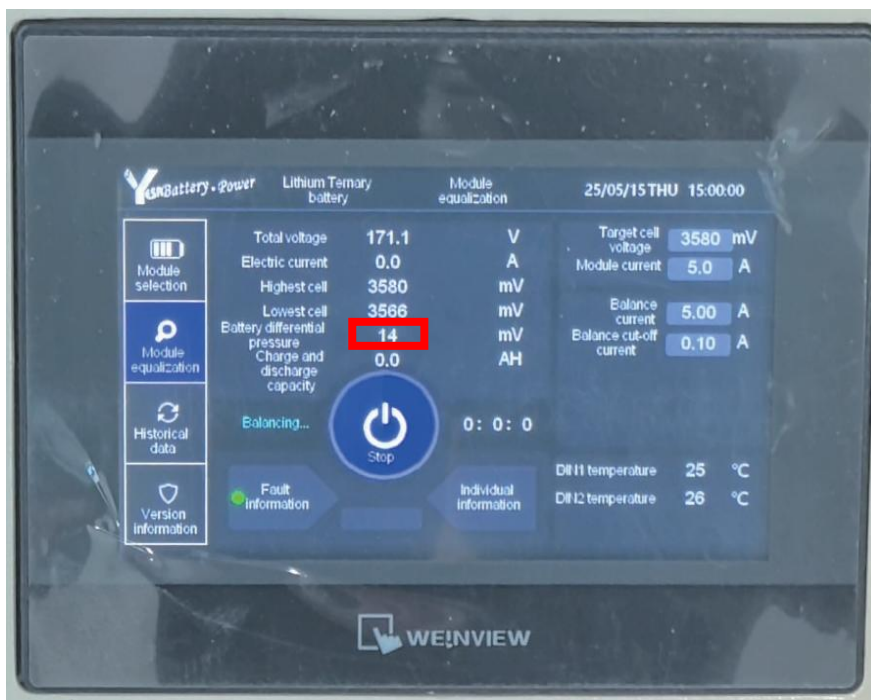
Balance/Repair 平衡



View and Record the Initial Voltage Difference

查看并记录初始电压差

▪ ▪ ▪ Balancing to END

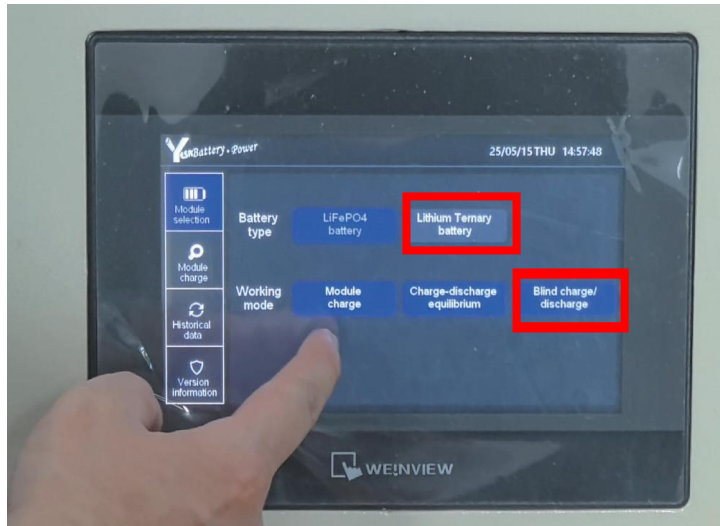


View and Record the max Voltage Difference After Balancing

查看并记录平衡后的最大电压差

Step6 步骤六

blind charge-discharge盲冲放



After balancing, this step is required for battery storage. It is generally necessary to maintain the battery capacity at 60%.

做完平衡之后储存电池需要此步骤。通常需要保持在60%的电池容量

Set up
设置



Set the target voltage to

$15V \times 12 = 180V$

Set the discharge current to
20A

设置目标电压 $15V \times 12 = 180V$

设置放电电流为20A

Click to Start
点击开始

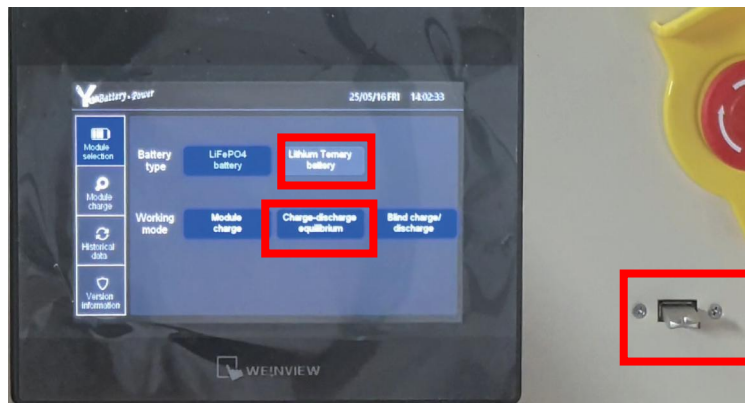


The machine will automatically identify charging or discharging to reach the target of 180V.

机器会自动识别充电或放电以达到180V的目标

Step7 步骤七

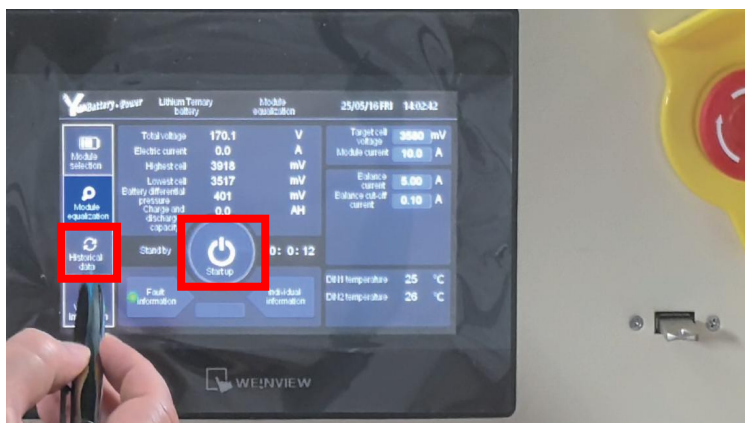
Historical Data Export



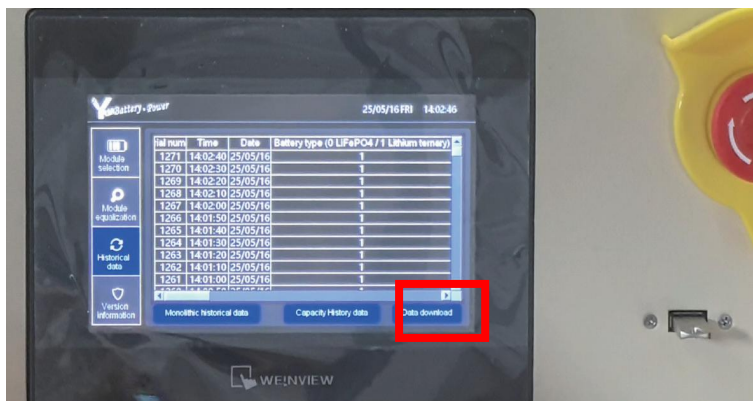
历史数据导出

Insert a USB Flash
插入U盘

Set up
设置

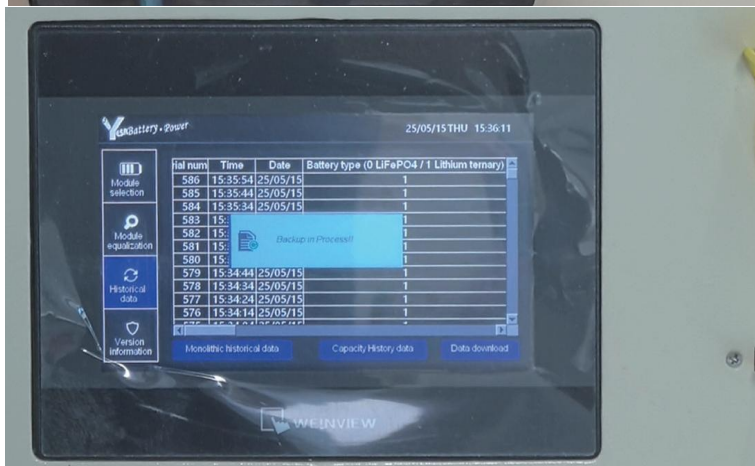


Click to Start
点击开始



Export Data to a USB and
View It on a Computer

将数据导出到U盘，在电脑上
查看数据



After exporting all data, the
machine will automatically
terminate.

导出所有数据后机器自动结束