



BYD Charging Device Operating Instruction

V1.1



1. Overview

Danger

This is a high voltage device. Only qualified persons are allowed to operate it. Improper operation could lead to injury or death. BYD won't take any responsibility if the local law, regulation, directive and this instruction are not followed.

BYD charging device contains three parts, Power Supply, Charge Controller, and cables. The cables could be divided as cables between Power Supply and Charge Controller (we call it as Cable A for short in this document), and the cable between the Charge Controller and the module to be charged (we call it as Cable B for short in this document).

This document is only valid for charging BYD Battery-Box Premium HVM, HVS and LVS modules, from software V2.2 of the Charge Controller.



Figure 1 Power Supply



Figure 2 Charge Controller



Figure 3 Cable A



Figure 4 Cable B

2. Connection

Connect the Power Supply and the Charge Controller with Cable B as shown in the figures below. The battery module should be put on the corresponding base.



Figure 5 Charge Controller cable connection



Figure 6 Power Supply cable connection

For HVM and HVS modules, connect the Cable A with Charge Controller and the battery module as shown below.



Figure 7 Cable A connection with Charge Controller (HVM and HVS)

For LVS modules, connect the Cable A with Charge Controller and the battery module as shown below.



Figure 8 Cable A connection with Charge Controller (LVS)



Figure 9 Cable A connection with the battery module

3. Operation

3.1 Operation On the Power Supply

- Turn the voltage and the current adjusting knob to the lowest.
- Put the attaching plug to the socket.
- Turn on the button on the Power Supply.
- Adjust the voltage limitation as shown below:

No.	Model	Voltage Limitation (V)
1	HVM	57.6
2	HVS	115.2
3	LVS	57.6

- Adjust the current to 12A

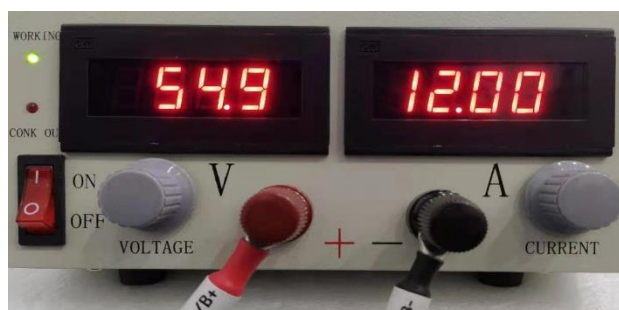


Figure 10 Setting at the Power Supply

3.2 Operation at the Charge Controller

- a) For LVS module, press the LED button on the module for three seconds.



Figure 11 Press the LED button on LVS module

- b) The interface of the Charge Controller could be shown as below.



Figure 12 Charge Controller interface

- c) Press "OK" to go to the setting interface.

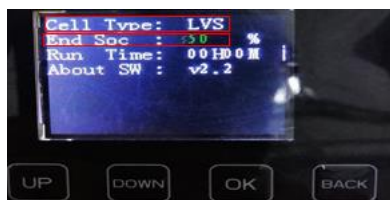


Figure 13 Charge Controller Setting Interface

- d) Press "OK" when the "Cell Type" is green, and then choose the right type by pressing "UP" or "DOWN". And press "OK" after selected.
- e) Press "OK" when the "End Soc" is green, and then choose the SOC you want the module to be charged at the end. And press "OK" after selected. The available SOC for choosing is from 30% to 70%, and the interval between two options is 5%.
- f) Press "BACK" when the setting is done. The interface will go back to the main page, and the charge starts.

3.3 Close up

There will be a warning signal when the charge finished. Just unplug Cable A from the module and keep it connected to the Charge Controller.

Notice

1. There will be an alarm if the Type/Vol/Tem is out of the range.
2. If the temperature difference between cells is more than 3°C, the module cannot be charged.
3. Any other doubts, contact BYD local service partner.

The End! Thanks for your attention!