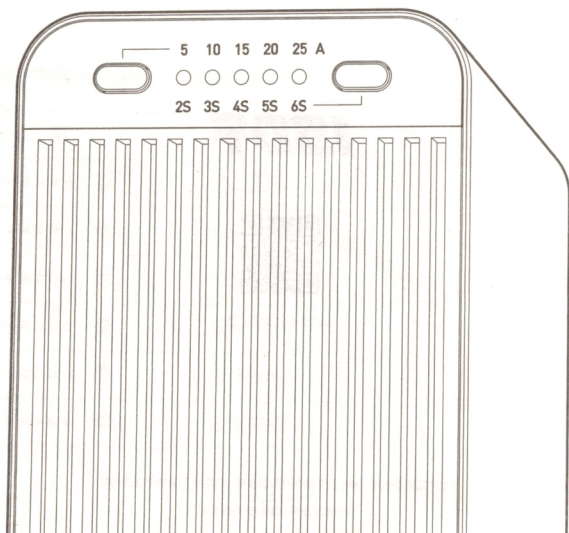


ISDT

FD-200

200W SMART DISCHARGER

USER GUIDE



Thank you for purchasing our ISDT FD-200 smart discharger.
For your safety and best user experience, please read this manual
and follow all instructions before using your new discharger.

- Keep the product away from humidity and high temperature while discharging, and ensure the cooling fan area is not blocked.
- Before connecting the battery, please check that the battery voltage is within the working voltage range of the FD-200.
- Always be certain the number of cells selected is correct.
- A lot of heat will be generated in the discharging process of the FD-200.
Do not allow children operate it.

Specifications

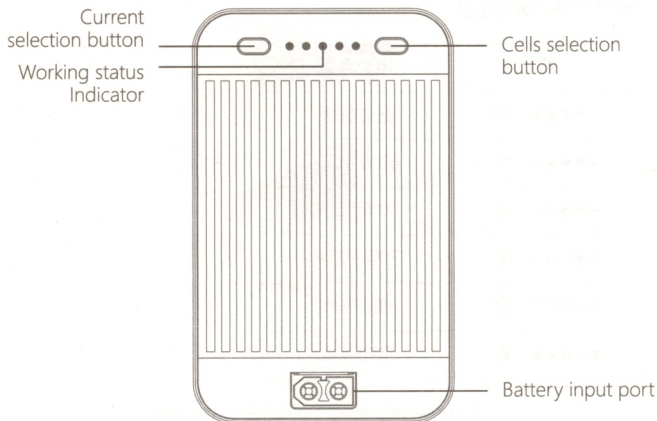
Input voltage range: DC 7~35V

Size: 142×100×63 mm

Max discharging power: 200W

Weight: 790 g

Support battery cells: 2~8S



Operation Guide

- **Power on:** connect the battery that needs to be discharged.
- **Turn on:** short press any key, bright white light, standby state.
- **To set the battery cells count:** press the right button, and the number circulates from 2S to 8S progressively. The white light turns on from left to right progressively with each press. The first light and fourth light on at the same time is 7S, the first light and fifth light on at the same time is 8S.
- **To set the current:** press the left button to turn the light purple (red + blue).
NOTE: a single light from left to right indicates the current is 5A, 10A, 15A, 20A and 25A respectively.
- **Bluetooth connection:** long press the left and right buttons at the same time, the light will turn blue and blink, indicating the FD-200 is ready to be paired. Turn on the bluetooth of the mobile phone.
After the connection is successful, the light will turn white.
(NOTE: A connection timeout returns the FD-200 to standby state.)
- **Discharge mode:**
 - (1) manually start discharge: long press any key until the light turns green, indicating the start of discharge.
 - (2) automatic discharge: when the mobile phone is connected by bluetooth, the automatic discharge is turned on, and it waits for 5 seconds in standby state before automatically entering the discharge state.
- **Standby:** Press any button twice during discharge to switch the current or the number of cells (NOTE: The FD-200 will start for working three seconds after switching), or long press any button during discharge and the FD-200 returns to standby state
- **Power off:**
After discharge or standby state, wait for one minute automatic power off.

LED indicator light introduction

Use LED lights to indicate working state

Indicator color	White	Purple	Blue	Green	Cyan	Red	Red, green ,blue flash alternately
Working state	Standby / Discharging battery cells	Standby/ Discharging current	Bluetooth connected	Discharging	Completed	Error	Upgrading

LED lights represent the current and the number of battery cells.

Light	Cells(White)	Current(Purple)	Error(Red)
● ○ ○ ○ ○	2S	5A	The number of cells is set too low
○ ● ○ ○ ○	3S	10A	The number of cells is set too high
○ ○ ● ○ ○	4S	15A	Temperature is too high($\geq 80^{\circ}\text{C}$)
○ ○ ○ ● ○	5S	20A	Over current
○ ○ ○ ○ ●	6S	25A	Error
● ○ ○ ○ ○	7S	-	-
● ○ ○ ○ ●	8S	-	-

LED lights indicates discharging progress.

Light	Battery capacity
●●●●● Green	More than 80%
●●●●○ Green	60%~80%
●●●○● Green	40%~60%
●●○●○ Green	20%~40%
●○●○● Green	Less than 20%
●●●●● Cyan	Discharge completed

Bluetooth APP connection

Download and install isd GO on your phone

Start Bluetooth pairing on your phone, open the isd GO app,

Then press and hold the left and right buttons on the FD-200 to enter the Bluetooth pairing state. After the connection is successful, the FD-200 enters the standby state.

You can set the parameters on the App..

1. Cut-off voltage: 3.3V~3.8V
2. Discharging current: 5A~25A
3. Battery cells: 2-8s
4. Automatic discharge: On or off