
Battery Charger Manual

for THEA 160MP Smart Battery



I. Product Introduction

This intelligent charger is designed specifically for THEA 160MP smart battery. By conducting real-time data exchange with the battery, relevant information about the battery can be obtained, and the current and voltage can be adjusted accordingly using optimal charging control algorithms to ensure safe and efficient charging, and to improve the battery's service life.



II. Specification

Item	Parameter
Input Voltage	AC190V-240V
Max Charging Voltage	67.2V
Max Charging Current	32.0A
Display Method	LCD Screen
Communication Method	Serial Port
Operating Temperature	0°C~+40°C
Weight	3.8 kg
Dimension	300*250*140 mm

III. Instructions for Use:

1. Connect the AC220V plug of the charger to a power outlet. The LCD screen will light up and display "Battery not connected" ;
2. Power on the battery and connect its power interface to the output port of the charger. The charger's buzzer will emit a "beep-beep" sound, and the charger will automatically start charging. The fan will start to operate, and the LCD screen will display "Fast charging." The battery indicator light will change from green to yellow, indicating the charging status.
3. During the charging process, the battery LED indicator will show the following:

LED1	LED2	LED3	LED4	Current Battery Level
○	●	●	●	0% ~ 12%
●	●	●	●	13% ~ 25%
●	○	●	●	26% ~ 37%
●	●	●	●	38% ~ 50%
●	●	○	●	51% ~ 62%
●	●	●	●	63% ~ 75%
●	●	●	○	76% ~ 87%
●	●	●	●	87% ~ 100%
●	●	●	●	Charging Complete

Note: ● and ● lights are constantly on; ○ light is flashing; ● light is off;

4. When the battery is fully charged, all four battery indicator lights will turn green. The charger's fan will stop operating, and the charger will automatically disconnect from the battery. The LCD screen will display "Battery not connected," indicating that the charging process is complete. Additionally, the charger's buzzer will emit a "beep-beep" sound every four minutes as an alert to signal that the battery is fully charged.

IV. Safety Tips:

To ensure maximum safety during use, please follow these guidelines. Failure to do so may result in damage to the charger or battery, and in severe cases, could lead to a fire.

1.This charger is a smart charger designed for our THEA 160MP battery.

2.Ensure that the charger is kept away from dust, moisture, rain, high temperatures, and vibrations, and handle with care to avoid dropping.

3.To ensure the normal operation of this charger, there should be at least 30cm of space for heat dissipation around it.

4.The battery and charger must be placed on a non-flammable and insulated surface for use;

5.If any abnormalities are found when the charger is powered on, immediately stop the operation, unplug the AC220V plug, and find the cause;

6.Do not use the charger without supervision. If there is any functional abnormality, immediately interrupt the charging and find the cause;

7.To ensure the normal use of this charger, strictly follow the instructions for use.