

LCD Digital Display Universal Charger For Rechargeable Li-Ion, LiFePO4, Ni-MH, Ni-Cd
 3.7V / 3.2V Selectable (1.2V) Automatic Detect And Processing For Charging
 " 6V Photoelectric Cell Panel Series "

Dual Channel Rapid Charger For Cylinder Cell , And Individual Automatic Operation
 0.5A or 1A Constant Current/Constant Voltage Charge

Is Designed For Different Size Battery: 26650、18650、18490、16340、AA、AAA (3.7V、3.2V、1.2V)

SC-T2 Features

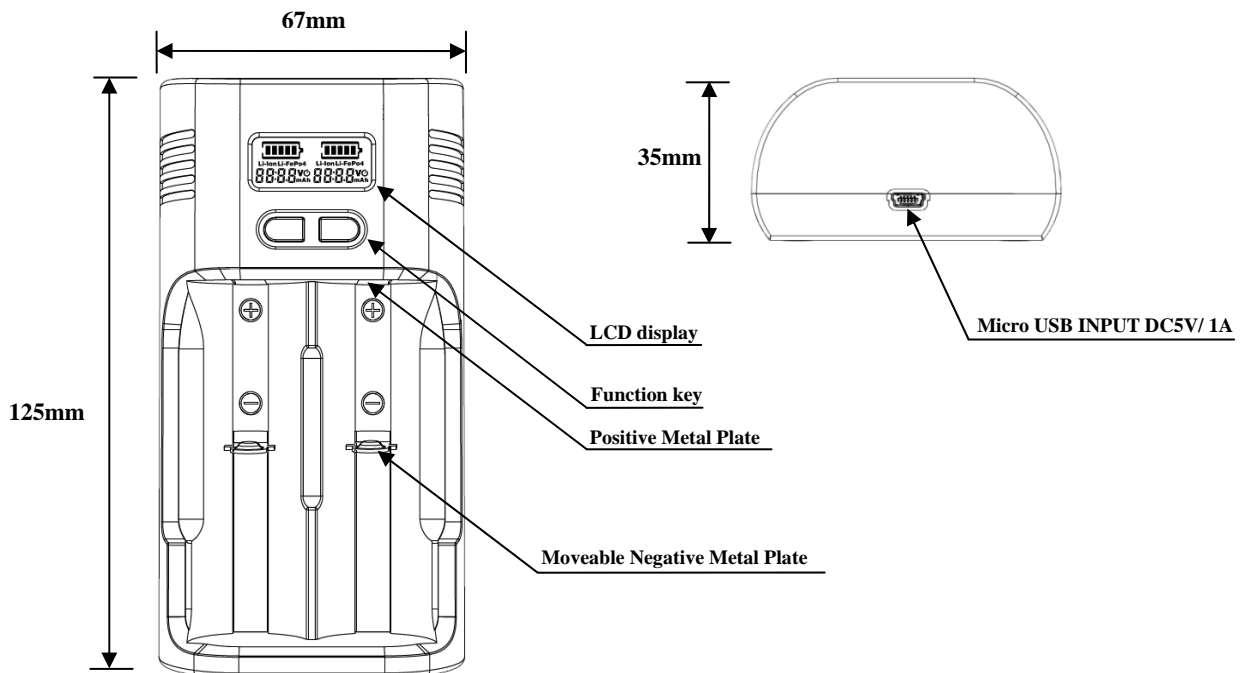
- ◆ Precision end-of-charge voltage detection
- ◆ Floating-charge maintains battery in full charge
- ◆ LCD displays for multi-information, voltage ,time ,charging percentage ,charging capacity and bad battery
- ◆ LCD Backlight will automatic turn off within 30 seconds for saving power
- ◆ Metal plates for charging connection can easy adjust for many different type battery cell
- ◆ Dual Battery Channels, Can Mix Charging For Different Size And
- ◆ Type Battery Cell
- ◆ 2 Key Individual Operation: Set Charging Mode、 Check Battery Status
- ◆ 3.7V/3.2V/1.2V battery cell voltage and polarity detection
- ◆ Over Charging timeout protection
- ◆ Auto alert indication for bad battery cell
- ◆ Power input can use Micro USB DC5V / 1A for charging
- ◆ Power input can use DC6V Photoelectric cell Panel for charging
- ◆ Auto active function for Lithium battery cell open (0 Voltage)

SC-T2 Specification

Manual Selectable For Li-Ion and LiFePO4 Charging mode, Auto intelligent detect NiMH/NiCd battery cell For Charging.

- ◆ Battery type: 3.7V rechargeable Li-Ion battery cell、 3.2V rechargeable LiFePO4 battery cell、 1.2V NiMH/NiCd rechargeable cell
- ◆ Protection: short circuit, polarity and defective battery detection
- ◆ Power Input: 5VDC 1A/DC6V 10W Photoelectric cell panel
- ◆ Charge mode: constant current first then constant voltage (CC / CV)
- ◆ Cut-off voltage: 3.7V Li-Ion battery cell is ($4.2V \pm 0.05V / 80mA$)
- ◆ Cut-off voltage: 3.2V LiFePO4 battery cell is ($3.6V \pm 0.05V / 80mA$)
- ◆ Cut-off voltage: 1.2V NiMH/NiCd battery cell is ($-\Delta V / \Sigma \Delta V$)
- ◆ 5V1A power input, charging current is: single channel 1A、 dual channel 500mA
- ◆ For NiMH/NiCd battery, the charging current is 500mA automatically
- ◆ Standby current: DC5V 10mA
- ◆ Battery compartment dimension: diameter 26mm,maximum length 70mm,minimum length 32mm
- ◆ Operating temperature: 0°C ~ +55°C
- ◆ Storage temperature: -25°C ~ +70°C

Plastic Outline



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Characteristics

Capacity	3.7V Charging Time	1.2V Charging Time
600 mAh	~ 60 min	~ 75min
1000 mAh	~ 90 min	~ 120min
1800 mAh	~ 130 min	~ 215min
2200 mAh	~ 160 min	~ 265min

- ◆ Maximum charging time : 99 hour 59minute
- ◆ Maximum charging capacity : 9999mAh

STATUS	LCD DISPLAY
POWERUP	Display [Stby] Standby Status
CHARGE STATUS	[Battery and level bar] ICON LIGHT ON AND RUNNING
FULL STATUS	[Battery level bar] [FULL] ICON stop running and all light on
BAD BATTERY	display [FAIL], [battery] ICON flash at same time

Operating Instruction

The intelligent charger can connect with 5V DC USB output adaptor for charging, after power on, LCD display shows [Stby] and [Ion] characters interchange, and backlight will light on about 30 seconds, the charger is on standby mode and can insert a rechargeable Li-Ion battery or NiMH/NiCd rechargeable battery cell for charging. If need charge for LiFePO4 rechargeable battery, please use function key to select the charging mode. 《please refer to function key description》

Attention: Charging mode for NiMH/NiCd battery is automatically detected.

- ◆ move and slide the moveable negative metal plate to flexible and easy insert battery cell
- ◆ insert battery into charging compartment, then move and slide the moveable negative metal plate to fix the battery cell.
- ◆ Then add force to the moveable negative metal plate to fix the inserted battery cell, and make sure the polarity of battery cell in good connection.
- ◆ The charger will automatically detect the voltage and polarity of the rechargeable battery cell, and auto select a suitable condition for charging.
- ◆ Once the connecting has been verified by the charger the battery icon and levels of the LCD display will running light up to indicate that the charging process has started, after charging is completed, the battery icon and levels stops running and all light on
- ◆ If charging after a period, LCD display shows [FAIL] characters and battery icon flash, the rechargeable battery cell may be faulty and need replacing.
- ◆ The charge will turn off automatically when the battery cell is full owing to the function of the microprocessor.
- ◆ If for any reason the battery cell does not exhibit the right "battery full" characteristics, the integrated safety timer or maximum charging capacity terminates the charging procedure

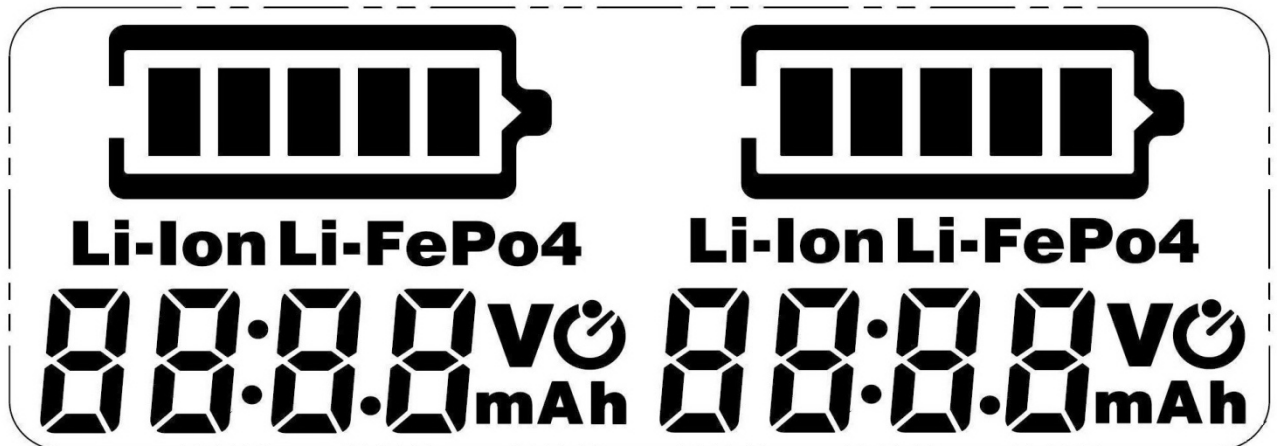
FUNCTION KEY Description

Function key has 3 function, 1) active the backlight light on, 2) set the charge processing mode, 3) check the battery status and percentage when charging.

- For check the charging status or setting mode must operating with LCD back light is on, press any key when LCD back light is off, will turn LCD back light on for 30 seconds, after 30 seconds the LCD back light will automatic turn off, press any key when LCD back light is on, will extend the LCD back light on for 30 seconds.
- set the charge processing mode, after power on and under no battery install condition, press the function key on the battery compartment side, LCD display shows [Ion] character will change to [FEP] character, [Ion] shows Li-Ion battery charging mode, [FEP] shows LiFePO4 battery charging mode, NiMH, NiCd battery charging mode is automatically.
- The LCD backlight will automatically turn off within about 30 seconds after the light turn on every time, press any key will active the backlight on about 30 seconds.
- when battery in charging, you can check the information of the battery by press the corresponding function key, the corresponding LCD display will show VOLTAGE→CAPACITY→TIME→PERCENTAGE, and repeat cycle by each press the function.

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LCD Display Description



Li-Ion Li-ion Battery Charging Mode

Stby Standby

Ion Li-ion Battery Mode

FEP Li-FePo4 Battery Mode

FULL Battery Full Indication

FAIL Bad Cell Indication

Li-FePo4 Li-Fepo4 Battery Charging Mode

0.0V Battery Voltage Indication

0000mAh Charging Capacity Indication

00:00 Charging Time Indication

-00- Charging Percentage Indication

