Specification

LCD Digial Display Universal Charger For Rechargeable Li-Ion、LiFePO4、Ni-MH、Ni-Cd 9V/3.7V / 3.2V (Selectable)1.2V (Automatic Detect) Battery

Dual Channel Rapid Charger For Cylinder Cell, And 6F22-9V, Individual Operation 1A Constant Current/Constant Voltage Charge

Is Designed For Different Size Battery: 26650、18650、18500、18350、14500、10440、16340、AA、AAA、C 6F22/9V (9V、3.7V、3.2V、1.2V)

Features

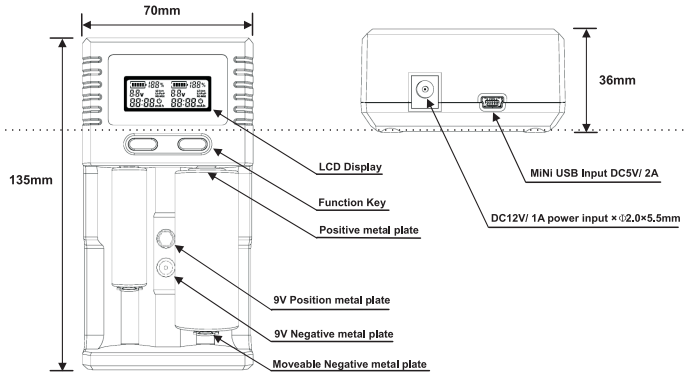
- Precision end-of-charge voltage detection
- Floating-charge maintains battery in full charge
- LCD displays for multi-information, voltage ,time ,charging percentage ,charging capacity , worse battery and bad battery
- LCD Backlight will automatic turn off within 30 seconds for saving power
- Metal 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
- 9V/3.7V/3.2V/1.2V battery cell voltage and polarity detection
- Over Charging timeout protection
- Auto alert indication for worse battery cell and bad battery cell
- Power input can use DC12V or Mini USB DC5V for charging
- Power input can use DC6V Photoelectric cell Panel for charging
- Auto active function for Lithium battery cell open (0 Voltage)

Specification

Manual Selectable For Li-Ion and Li-FePO4 Charging mode，intelligent detect NiMH/NiCd battery cell。

- Battery type: 3.7V Li-Ion battery 、3.2V LiFePO4 battery 、1.2V NiMH/NiCd battery、9V Li-Ion/NiMH battery 、
- Protection: short circuit, polarity and defective battery detection
- Power Input: 12 VDC 1A / USB 5VDC 2A / DC6V 10W Photoelectric cell panel
- Charge mode: CC / CV
- Output:1000mAx2 @ Li-ion/LiFePo4 Battery
  500mAx2 @ NiMH/NiCd Battery
  450mA @ Li-ion 6F22/9V Battery
  300mA @ NiMH/NiCd 6F22/9V Battery
- Cut-off:4.2V 80mA @ Li-ion Battery
  3.6V 80mA @ LiFePo4 Battery
  −△V/∑△V @ NiMH/NiCd Battery
  8.4V @ Li-ion 6F22/9V Battery
  −△V/∑△V @ NiMH/NiCd 6F22/9V Battery
- Standby current: 5VDC 10mA / 12VDC 30mA
- Battery compartment dimension: diameter 26mm,maximum length (70mm-32mm)
- Operating temperature: 0℃~ +55℃
- Storage temperature: -25℃ ~ +70℃

Plastic Outline



Characteristics

Battery capacity	3.7V charging time	1.2V charging time
600 mAh	~ 40 minute	~ 75 minute
1000 mAh	~ 90 minute	~ 130 minute
1400 mAh	~ 120 minute	~ 175 minute
1800 mAh	~ 155 minute	~ 240 minute

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

condition	LCD display
Power on	shows『Stby』for standby mode
Charging battery	Battery icon and levels running light up
Fully charge	Battery icon and levels stop running and all light on
Bad battery	LCD display shows『FAIL』,battery icons flash at the same time

Operating Instruction

The intelligent charger can connect the power from supplied AC power adaptor or adaptor with 5V DC USB output or DC car cigarette lighter adaptor for charging, after power on, LCD display shows『Stby』characters, 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, 6F22/9V rechargeable battery cell is automatically detect and select the charging mode。《please refer to function key description》

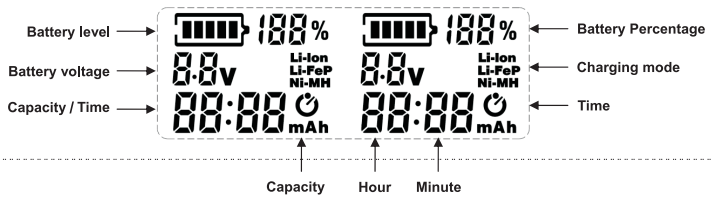
- Move and slide the moveable negative metal plate to flexible and easy insert battery cell
- Insert battery into charging compartment, then move and slide the moveable negative metal plate to fix the battery cell.
- Then add force to the moveable negative metal plate to fix the inserted battery cell, 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
- For charge 6F22-9V rechargeable battery cell，it must need use 12V adaptor and charger will automatically select the suitable charging mode to 9V battery connection，other battery compartment will stop operation。

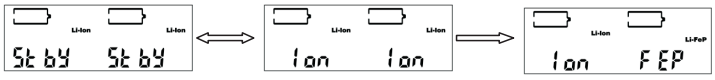
Function Key Description

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

- 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 how many capacity charged into the battery by press the corresponding function key, the corresponding LCD display will change the timer function to the capacity function。

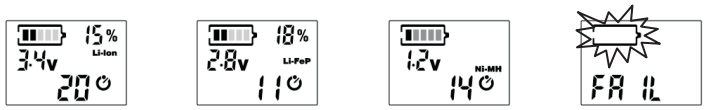
LCD Display Description





Standby for Li-Ion Charging Mode　　Use Function Key Select Battery Charging Mode　　Right compartment side has changed to Li-FePo4 Charging Mode

Note：NiMH/NiCd is automatically detect。



Display for Li-Ion Charging　　Display for Li-FePo4 Charging　　Display for NiMH/NiCd Charging　　Display for bad / defective Cell

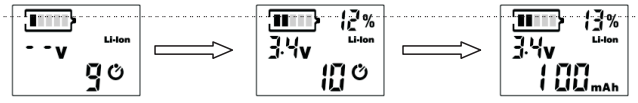
Note：FAIL character display，when a battery in charging cannot over the guarding voltage within 15 minutes，3.15V for Li-Ion、2.7V for Li-FePo4，or 0.8V within 10seconds for NiMH/NiCd，under the condition is default as bad cell。
Attention："Permanent or alkaline cell" can distinguish when over 1.9V，please carefully and not insert for charging。

Display for 6F22/9V Li-Ion Charging　　Display for 6F22/9V Ni-MH Charging

Note：6F22/9V Li-Ion battery charge current is 450mA，6F22/9V NiMH battery charge current is 300mA，
Attention：Charger cannot charge "6F22/9V Li-FePo4 battery"

Mix Charging for Li-Ion and Li-FePo4 and current is 1000mA for each　　Mix Charging for Li-Ion and NiMH/NiCd，Charge current：1000mA @ Li-Ion / Li FePo4 500mA @ NiMH/NiCd

Note：1A for 1-2 cell in charge @ Li-Ion / Li-FePo4 battery，500mA for 1-2 cell @ NiMH/NiCd Battery。



After insert battery, Check status for 10 second　　After checking, display show the Li-Ion charging start and battery voltage、Time and percentage　　When charging, use function key can check capacity

After Li-Ion is full, level bar stop running，use function key to check Capacity and Time　　Display Time of Li-Ion battery when full　　Display Capacity of Li-Ion battery when full

Note：After battery full，LCD backlight will light on 30 seconds，and change LCD information every 3 seconds，from FULL→Time→Capacity and repeat cycle