

LCD Display MultiCharger - Cylindrical Li-ion/ LiFePO4 / NiMH Cell & 9V Li-ion/NiMH

Compatible with Li-ion/LiFe 26650/18650/18490/16340/14500(AA) /14430(AA) of different voltage system [3.7V or 3.2V or 1.2V & 9.0V Li-ion/NiMH]

Features

Precise end of charge control
Top-off trickle charge keeps cell always full
Backlighted LCD indicates [i] VOLT , [ii] TIME ,
[iii] % CHG , [iv]CAPACITY ; [v] WEAK CELL
Auto-off LCD backlight in 30 sec to save power
Adjustable metal contact accommodate long battery
up to 69mm
2 independent channel so 2 different types of battery
can be charged at the same time
Button switch x 2 : select charging mode and check

battery status
9.0V/3.7V/3.2V/1.2V battery reverse polarity
protection and Auto-detection to charge either way
Over-charge timer protection
Weak cell or short-circuited cell warning
Dual Power input : DC12V or Mini USB DC5V
Compatible with 6V solar panel charging
Pre-conditioning charge to wake up Zero Voltage cell
or low voltage battery typically embedded with
built-in chip

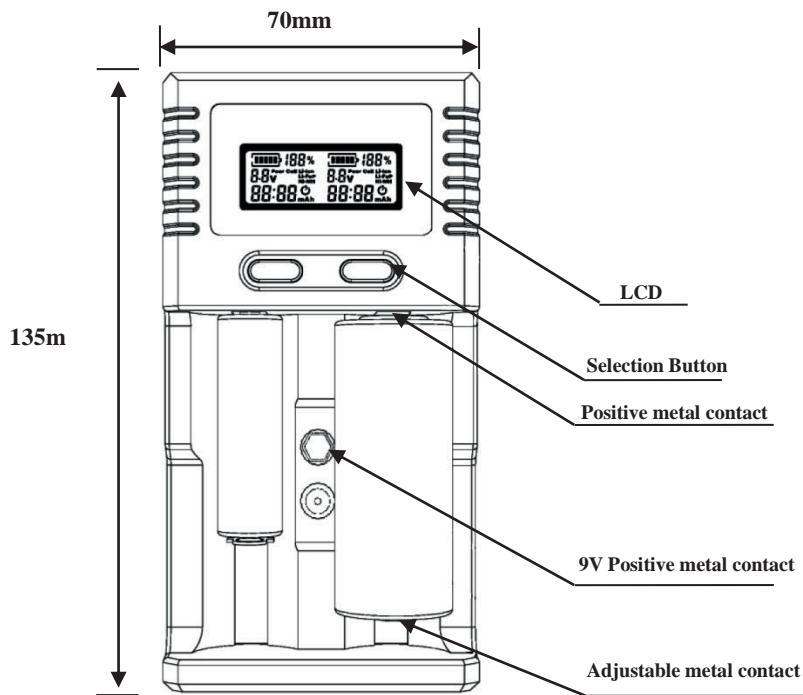
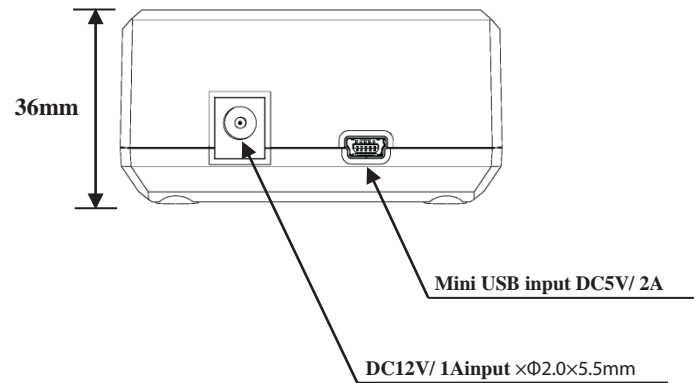
Technical Spec

Compatible ~ 2 hour Quick-charge :
9V Li-ion/NiMH , 3.7V Li-ion , 3.2V Li-FePO4 ,
1.2V NiMH/NiCd battery
Protection : Short-circuit ; reverse polarity ; bad cell
protection
Input : DC12V 1A / DC5V 2A / Solar power of
DC6V 10W
Charging mode : constant current and constant
voltage (CC / CV)
9.0V Li-ion : 450mA / end charge at 8.4V
9.0V NiMH : 300mA / charge control by ($-\Delta V$)
3.7V Li-ion : 1000mA / end charge at : ($4.2V \pm 0.05V$
/ 80mA)

3.2V LiFePO4 : 1000mA end of charge :
($3.6V \pm 0.05V$ / 80mA)
1.2V NiMH/NiCd : 800mA / end of charge : ($-\Delta V$ / $\Sigma \Delta V$)
12V/1A power input : charging current up to
1000mA
5V/2A power input : charging current up to 1000mA
Standby power : DC5V 10mA / DC12V 30mA
Max. cell loadable : Dia. 26mm, L.max 70mm, L.min
32mm
Operating Temp : 0°C ~ +55°C
Storage Temp : -25°C ~ +70°C

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Dimension



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☒ Charging Table

| Capacity | 3.7V cell(Li-ion) | 1.2V cell (NiMH) |
|----------|---------------------|--------------------|
| 600 mAh | ~ 40 mins | ~ 40mins |
| 1000 mAh | ~ 90 mins | ~ 60mins |
| 1400 mAh | ~ 120 mins | ~ 85mins |
| 1800 mAh | ~ 155 mins | ~ 110mins |
| | | |

| Status | LCD indication |
|--------------|---|
| Power on | displays 『Stby』 mode |
| Charging | 『battery』 rolling icon |
| Fully Charge | 『battery』 rolling stop. 『FULL』 icon on |
| Bad Cell | 『FAIL』, 『Battery』 『POOR CELL』 icon blinks |
| Poor Cell | 『POOR CELL』 icon on & blinks |

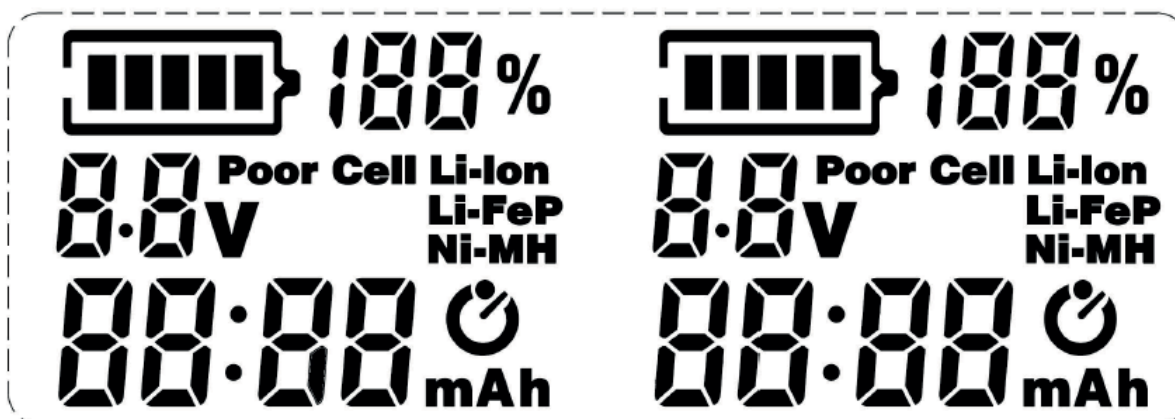
- Longest display timer clock : 99hrs 59mins
- Highest mAh charged : 9999mAh

☒ Operating Instruction

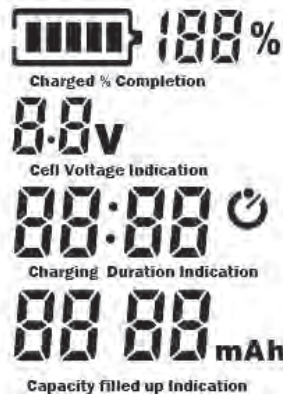
Multi double bay charger can be powered by AC adaptor or AC-USB 5VDC Adaptor or 12VDC cigarette charger. Once connected, LCD backlight on and shows 『Stby』及 『Ion』 icon alternately. The default charging mode is Li-ion (3.7V) or NiMH (1.2V) cell. Press the selection “ LiFeP ” button before you load the LiFePO4 (3.2 V) cell. Insert the correct cell when you see the 『LiFeP』 icon.

- Load the cell with the adjustable metal contact following the polarity sign.
- Ensure the metal contact is in line with the battery poles.
- Charger will automatically select the correct charging profile verify the cell polarity.
- The battery rolling-icon shows the charging is progress. It stops when cell is fully charge.
- When the battery icon blinks and displays 『FAIL』 icon, it is recommended to replace the bad cell with a good cell.
- When 『POOR CELL』 icon is displayed in the process of the charging, it means the cell is approaching the end of its life. Operation time is very limited in the device.

LCD Layout



LCD Display MultiCharger - Cylindrical Li-Ion/ LiFePO4 / NiMH Cell



Poor Cell

Bad or Short-circuited cell

Li-Ion

3.7V Lithium-ion Battery

Li-FeP

3.2V Lithium Iron Phosphate Battery

Ni-MH

Nickel Metal-Hydride Battery

Display Logic

