

# Specification & Instruction of Smart Charger CH-LF1283



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**AA Portable Power Corp**

## Specification:

Feature	<ul style="list-style-type: none"> <li>Designed for 12.8V LiFePO<sub>4</sub> rechargeable battery with capacity <math>\geq</math> 3Ah</li> <li>Input Power: 90V - 240V AC, 50/60Hz</li> <li>Output Power: 14.6V DC, 3A Max</li> </ul>
Function	<ul style="list-style-type: none"> <li>CC-CV Charging mode</li> <li>Automatic voltage detection with LED indicator (red/green) during charging process            Power On: Green            Charging: Red            Fully charged: Green            Note: when it is short, the LED will be off</li> <li>Automatic cut-off charging function by IC</li> </ul>
Safety Protection	<ul style="list-style-type: none"> <li>The protection is built in the circuit of the charger to prevent over current, over voltage, and short circuit            Note: <b>No reverse polarity protection</b></li> </ul>
Dimension	L 4.6" X W 2.5" X H 1.6"
Weight	11.2 Oz (320g)



Output alligator clips

LED Indicator

Power Cord  
 90V - 240V AC (USA), 50/60Hz

## Instruction:

Please carefully read the following instruction before you start to use this charger.

## Caution:

- This charger is only for Indoor use
- The charger shall be placed on a fixed horizontal surface when the charger is operated
- Avoid storing or operating the charger in highly humid place or any place with inflammable good
- Do not cover the charger when the charger is operated  
The ambient temperature shall not excess 40 °C
- Do not charge the battery on the list below  
Voltage < 12.8V, or Voltage > 12.8V  
Capacity < 3Ah
- Battery must be made by high drain current cell
- Completely plug the power cord into AC power resource  
Do not expose any metal part of the power cord during operation  
Do not use your hand or any of your body to touch the metal part of the power when you connect the power to the charger
- Do not disassembly the charger any time
- AA Portable Power is not responsible for any damage caused by any misuse

## Operation Steps:

1. Plug the the power cord into the AC power resource
2. Connect the battery to the output of the charger (alligator clips) with correct polarity(Red cable connects to positive, Black cable connects to negative)
3. When the power is on without connecting battery, the LED indicator will be Green. When it is in charging process, the LED indicator turns Red. When the battery is fully charged, the LED indicator will be Green  
Note: **No reverse polarity protection**
4. The charging time is variable depends on the battery