

# Specification & Instruction of Smart Charger CH-L2963

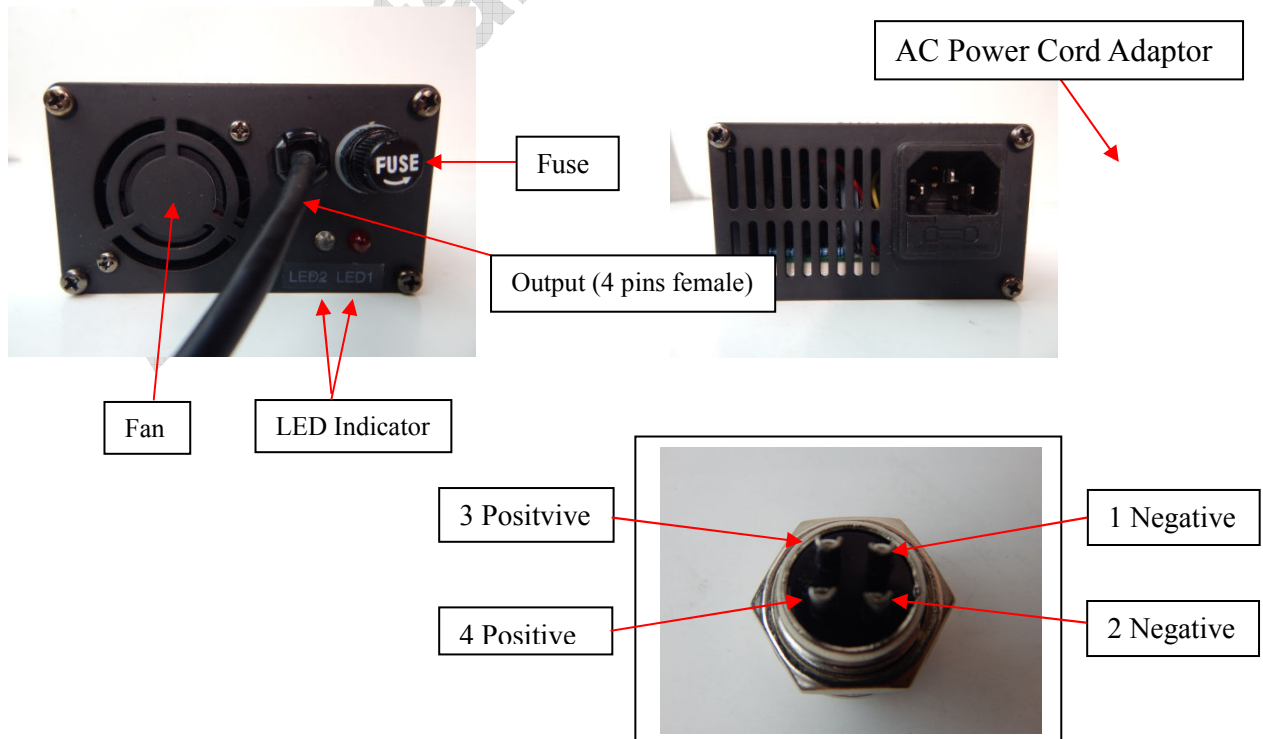


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**AA Portable Power Corp**

## Specification:

Feature	<ul style="list-style-type: none"> <li>Designed for 29.6V lithium rechargeable battery with capacity <math>\geq 3.0\text{Ah}</math></li> <li>Input Power: 110V - 240V AC (USA)</li> <li>Output Power: 33.6.V DC, 120W max, 3.0A (4 pins female connector)</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</li> <li>Power On: LED1 Red / LED2 Green (without connecting battery)</li> <li>Charging: LED1 Red / LED2 Red</li> <li>Fully charged: LED1 Red / LED2 Green</li> <li>Note: When it is short, the LED2 will become Red</li> </ul>
Safety Protection	<ul style="list-style-type: none"> <li>The protection is built in the circuit of the charger to prevent over-voltage, and short circuit</li> <li><b>Note: Reverse polarity will cause damage on the charger</b></li> </ul>
Dimension	L 6.8" X W 3.6" X H 2.0"
Weight	2lb 4.2oz (1030g)



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## 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 < 29.6V, or Voltage > 29.6V  
Capacity < 3.0Ah
- 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 misuseage

## Operation Steps:

1. Connect transfer cable (4 pins male connector) to the output of charger (4 pins female connector)
2. Connect the power cord to the power adaptor on charger
3. Plug the power cord into the AC power resource
4. Connect the battery to the transfer cable (alligator clips) with correct polarity (Red cable connects to positive, Black cable connects to negative)  
**Note: If the battery is connected with reverse polarity, the charger will be damaged**  
**Note: Do not connect battery before providing AC power on charger**  
Note: If the charger does not connect to battery for more than 3 minutes, the power of the charger needs to be reset (plug off power cord)
5. When it is in charging process, the LED2 indicator turns Red. When the battery is fully charged, the LED2 indicator will be Green  
Note: When the power is on without connecting the battery, the LED2 indicator will be Green  
Note: The LED1 will be Red when the power is on
6. The charging time is variable depends on the battery