

# Specification & Instruction of Smart Charger CH-UN2418R



AA

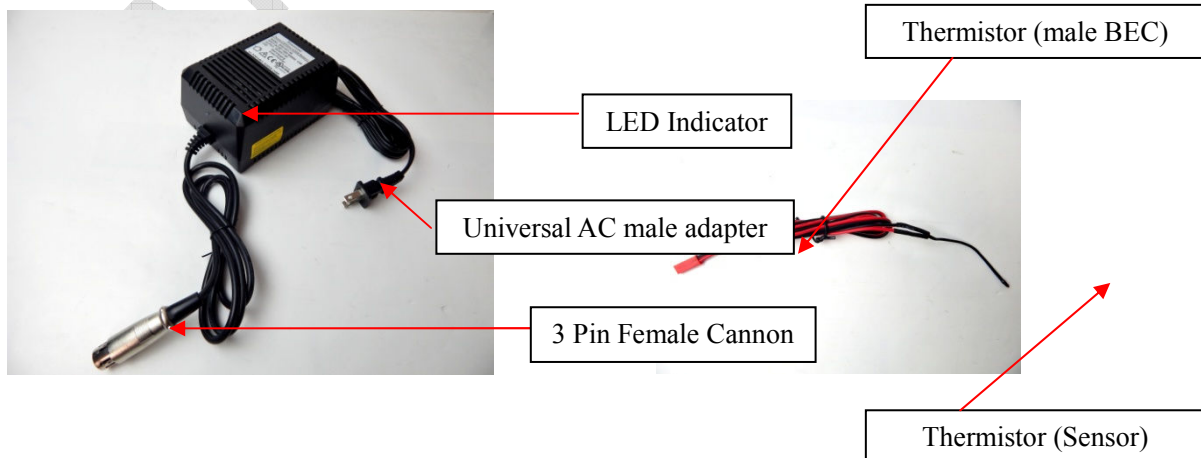


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**AA Portable Power Corp**

## Specification:

<p>Feature</p>	<ul style="list-style-type: none"> <li>Designed for 24V NiMH/NiCd battery pack with capacity more than 1800mAh</li> <li>Input Power: 100V - 240V AC (universal AC male adapter)</li> <li>Output Current: 1.8A (3 pin female cannon plug)</li> </ul>
<p>Function</p>	<ul style="list-style-type: none"> <li>Automatic voltage detection with LED indicator (red/green) during charging process            Power on: Green            Connect battery without thermistor: Flash Green and Red            Charging: Red            Fully charged: Green</li> <li>Automatic cut-off charging function by IC            Stop charging when <math>-\Delta V</math> is detected by IC</li> </ul>
<p>Safety Protection</p>	<ul style="list-style-type: none"> <li>The protection is built in the charger for short circuit, and reverse polarity</li> <li>Thermistor adapter (BEC female adapter) is built to prevent overheat of battery (Max. battery temp 70°C)</li> </ul>
<p>Dimension</p>	<p>L 2.7" X W 3.6" X H 4.9"</p>
<p>Weight</p>	<p>1lb 3.2oz (544g)</p>



## 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 < 24V, or Voltage > 24V  
Capacity < 1800mAh
- Battery must be made by high drain current cell
- Do not disassembly the charger any time
- AA Portable Power is not responsible for any damage caused by any misuse

## Operation Steps:

1. Connect transfer cable (3 pin male cannon plug – alligator clips) to the output of the charger (3 pin female cannon plug)
2. Connect thermistor (male BEC) to the thermistor adapter (female BEC) on the transfer cable
3. Connect the battery to the output of charger with correct polarity (Red cable connects to positive, Black cable connects to negative)
4. Attach the sensor of thermistor on the surface of the battery
5. Plug the power cord into the AC power resource
6. When the power is connected to power resource, the LED indicator will be Green. When it is in charging process, the LED indicator will be Red. When the battery is fully charged, the LED indicator will be Green

Note: If thermistor does not connect to the transfer cable, the battery will not be charged, and the LED will flash red and Green



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7. The charging time is variable depends on the battery

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