AA Portable Power Corp.
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Specification & Instruction of Universal Smart Charger CH-UN2420

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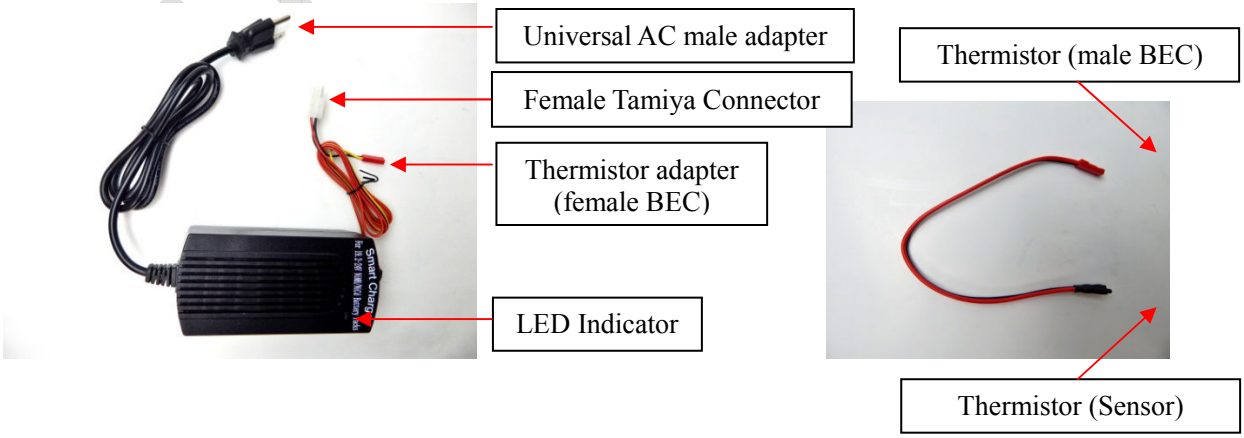
Specification:

Feature	• Designed for 19.2V – 24V NiNH/NiCd battery pack with capacity which is more than 2000mAh • Input Power: 110V - 240V AC (universal AC male adapter) • Output Power: 2A (Tamiya female)
Function	• Automatic voltage detection with LED indicator (red/green) during charging process Activating: Alternatively blinking red and green twice Charging: Red Fully charged: Green • Automatic cut-off charging function by IC Stop charging when -ΔV is detected by IC or the temperature reaches 70˚C (LED turns to Green) Note: When it is short, LED indicator will flash Red
Safety Protection	• The protection is built in the charger for short circuit, and reverse polarity • Thermistor adapter (BEC female adapter) is built to prevent overheat of battery (Max. battery temp 70˚C)
Dimension	L 5.8” X W 2.7” X H 2.0”
Weight	15oz (426g)



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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 < 19.2V, or Voltage > 24V Capacity < 2000mAh**
- **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 misusage**

Operation Steps:

1. **Connect thermistor (male BEC) to the thermistor adapter (female BEC) on the output of charger**
2. **Connect the battery to the output of charger with correct polarity (Red cable connects to positive, Black cable connects to negative)**
3. **Attach the sensor of thermistor on the surface of the battery**
4. **Plug the power cord into the AC power resource**
5. **When first time the AC power cord is plugged into power resource, the LED indicator is alternatively blinking red and green twice. When the power is on without connecting battery, the LED indicator is off. When it is in charging process, the LED indicator turns Red. When the battery is fully charged, the LED indicator will be Green**
   Note: When it is short, LED indicator will flash Red
   Note: After LED indicator turns Green, the user needs to unplug the AC power cord in order to activate the charger again
6. **The charging time is variable depends on the battery**