


Specification & Operation Instruction

Specification

Part Number	<ul style="list-style-type: none"> • CH-UN2420 
Product Scope	<ul style="list-style-type: none"> • For NiMH or Nicd batteries 19.2V to 24V (16S to 20S) • With 2Ah ≤ capacity ≤ 14Ah
Input	<ul style="list-style-type: none"> • AC 100V-240V; 50-60Hz • No load input power: ≤ 2.5W; Rating input power: ≤ 72W
Output	<ul style="list-style-type: none"> • No load DC output 0.3 – 0.7V • Rating output voltage (CV): DC 18 to 32V • Rating output current (CC) : 1.7 to 2.1Amp • Rating output power: ≤ 57.6W • Efficiency : ≥ 80%
LED	<ul style="list-style-type: none"> • Red: In Charge • Green: Standby or charge finished • Under the following conditions, LED Red turns to Green: <ul style="list-style-type: none"> ○ $-\Delta V > 5\text{mV/cell(TYP)}$ or ○ $V_{MAX} \geq 1.6\text{V/cell}$ or ○ Time control: time > 8 hrs
Protection	<ul style="list-style-type: none"> • Over current, short circuit and reverse polarity protection • Over time protection: maximum charging time is 8hrs • Over voltage: When input voltage > rated working voltage, the charger immediately stop working
Environment	<ul style="list-style-type: none"> • Operating Temperature: -10°C to 40°C • Storage Temperature: -40°C to 70°C • Storage Humidity: < 95%RH • Cooling: Natural Convection

Operation Instruction

1	Plug into AC socket, LED light turns Green.
2	Plug BEC connector and attached temp sensor firmly to the battery before connect the battery to the charger
3	Connect battery to the charger, LED light turns RED, which means battery is in charge.
4	LED turns Green again, which means battery is fully charged.
5	Unplug the battery.
6	Unplug the charger from AC socket

Caution:

- In door use only, avoid water.
- Do not charge non-rechargeable batteries
- Only charge Nimh or Nicd batteries with $2Ah \leq \text{capacity} \leq 14Ah$.
- Only charge NiMH / NiCd battery pack with voltage between 19.2V-24V (16 -20 cells). Don't use the charger for battery with lower or higher voltage which may cause battery to explode.
- Do not open the case to prevent from electric shock.
- Unplug the charger from AC outlet while not use.
- Always place the charger in well-ventilated, dry environment and indoor use only
- The charger's temperature sensor connector (BEC male connector) must be attached firmly to battery pack. If you don't connect the temperature sensor to battery pack, we are NOT liable for over charging the pack and damage the pack.

Temp sensor: attached to battery firmly



BEC Connector: connect to charger side

