



**PYROMASTER LLC**  
TAMING THE SKIES

**SS Deluxe Controller 24 V Battery Charger:**

- Designed for safe charging 24V NiMH/Nicd battery pack with capacity > 1800mAh
- Built in IC to smart control charging status and keep battery charged fully and safely, which features with advanced functions are as the follows:
  - Charging current: 1.8A pulse current.
  - Detect Minus delta V ( > 6 mV/cell) to cut-off power when battery is fully charged.
  - Detect temperature rising rate. ( dT/dt) If battery pack temperature rises too fast, (>0.5°C/60S)the charger will reduce charging current.
  - Detect battery pack's max. Temperature (T max.). If pack's temperature >70°C, the charger will cut-off power.
  - Over charge protection; Polarity reverse protection.
- This is very smart charger: just plug in and forget it.

**Specification:**

- Input: 100~240VAC 50/60Hz 0.8A
- Temperature sensor: NTC R<sub>25</sub> =10 K B=3960
- Dimension (HxWxL): 2.7"(69mm) x3.6"(91mm)x4.9"(127.22mm)
- Weight: 1.0 lb 3.2 Oz (544 grams)

**Operation Instruction:**

- Connect battery charger plug to AC power source
- Plug 3 pin charger plug into SS Deluxe Battery charger port
- After it connect the correct battery pack, the red LED will be on, shows that it is charging.
- After battery is fully charged, green LED will be on and it shows the battery fully charged.
- If the sensor is not connect, the LED will flash red/green indicate bad sensor.
- If everything is connect properly (no battery connection, but has ac power), the LED will stay Green

**IMPORTANT SAFETY INSTRUCTIONS AND WARNINGS For NIMH BATTERIES**

- Never make wrong polarity connection when charging and discharging battery packs. Always double check polarity of battery's connector to make sure red wire to red wire and black wire to black wire.

- Please always use a smart charger (with automatic power cut-off function ) to charging NiMH battery, charging NiMH battery without an attention may cause battery to explode.
- When charging NiMH battery, please always put the battery in a water-proof place to avoid any accidents.
- Suggest you charging NiMH batteries and packs at least every six months, otherwise NiMH battery will reduce capacity or dead. For safety reason, we usually ship NiMH battery without fully charged. You must charging NiMH battery before use, and allow 3-5 cycles of charging and discharging for battery capacity to recover.