Multi-Current Universal Smart Charger for Any 9.6V - 18 V NiMH/ NiCd Battery Packs
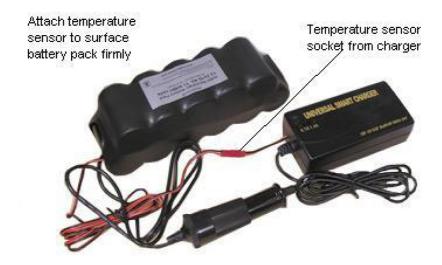

Detailed Description

- It is a multi-current Universal Fast and Smart Charger for any NiMH /NiCd battery packs from 9.6V-18V (8 - 15 cell pack)
- 120-240V AC input for world wide voltage support.
- Designed for use with 9.6V-18V Battery Packs. Please don't charge battery under 9.6V or over 18V.
- Using Pulse and Negative pulse technology (10% negative pulse) to avoid battery overheating and polarized during fast charging, Significantly increasing battery pack's cycle life.
- Automatically detect battery pack's voltage, Red LED will be on during charging.
- It is a very smart charger. Just plug it in and wait for the battery to get fully charged. Red LED indicates charging and Green LED means fully charged
- Automatically cut-off by negative delta V when battery pack is fully charged and the LED will turn green.
- Two current levels, e.g. 0.9A and 1.8A are selectable by a switch.
- For battery packs between 1100mah and 2100mah, please use the low level switch -- charging rate: 0.9A
- For battery pack over 2100 mah, please use the high level switch -- charging rate: 1.8A
- Charging time from approx. 30 mins to 100 mins depending on the capacity of battery. For 3000 mAh battery pack, charging time is about 90 minutes and for 2000 mAh battery pack , charging time is 60 min.
- Short circuit protection: No output voltage from the charger if the battery is not connected.
- Buit in temperature sensor to double ensure the battery pack from overcharging.
- You must use temperature sensor to charge 12V or higher NiMH battery pack.
- For <12V battery pack, you may recharge battery without sensor. However, putting a temperature sensor on the battery pack is always a good idea

Precautions:

- Please don't use the charger to charge battery pack with capacity less than 900 mAh
- If your battery pack is 12V or more, please always use temperature sensor (included) to double ensure power cut-off. The temperature sensor shall be attached to battery pack firmly by electric tape or glue (see above to see how)
- *If you have question on what current setting to use, please check the battery specification to find out what is the maximum charging current before selecting the charging current.*
- The charger is designed for indoor use only.
- The charger should be horizontally positioned and work in well ventilated condition, avoid moisture and keep it away from inflammable explosive goods.
- Ambient temperature shall **not** be more than 40 degree C when using the charger
- Remove the AC power before connect or disconnect the charger with batteries.

Attach temperature sensor to surface battery pack firmly

Temperature sensor socket from charger

How to use Temperature sensor

(1) attach temperature sensor to battery pack inside firmly --- you can use electronic tape or glue to attach the sensor to one of battery's surface

(2) Plug (red, BEC) connector into the temperature socket into the charger

Dimension (LxWxH): 140mm x 64mm x 38mm (5.5" X 2.5" X 1.5")