

CEH0609

1. Description

1.1 Purpose

This document describes the electrical and safety design requirements of the CEH0609 charger.

1.2 Function

It has the rapid charging functions for 3.6V Ni-CD/Ni-MH batteries.

2. Electric specifications

Input: DC9V/500mA.

2.1 Charging current: 1000mA

2.2 Battery defective inspection: when battery voltage is lower than 1.2V, the charger inspect the battery is defective and not allow charge.

2.3 Precharge time 10 minutes
Pre-charge time 10 minutes: If battery voltage increase to normal in 10 minutes, battery will enter rapid charge mode; otherwise, battery is inspected as defective and not allow to charge.

2.4 Terminate control pattern.

A. $V = 30\text{mV}$

B. 0 V

C. $T/t = 1\text{ /minute}$

D. $T_{\text{max}} = 55 \pm 3$

E. $t_{\text{max}} = 3.5\text{ hours}$

3. Indicator designation

Charger Operation Status	LED Power	Remark
Power connection	Red/green for 1 second	
Without battery	No light	

Charging	Red	
Full charged	Green	
Function failure	Red flash	Defective battery

4. Basic quality requirement

- 4.1 Working temperature range: 0°C ~40°C.
- 4.2 Storage temperature range: -20°C ~60°C.