

**SPECIFICATION FOR  
MODEL NO. :FU-C1000-2-14  
Ni-MH/Ni-Cd SMART CHARGER**



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**1.0 INPUT**

**1.1 Voltage**

Minimum	Normal	Maximum	Unit
100	115/230	240	Vrms

**1.2 Frequency**  
47Hz~63Hz

**1.3 Current**  
1.0A.(MAX)

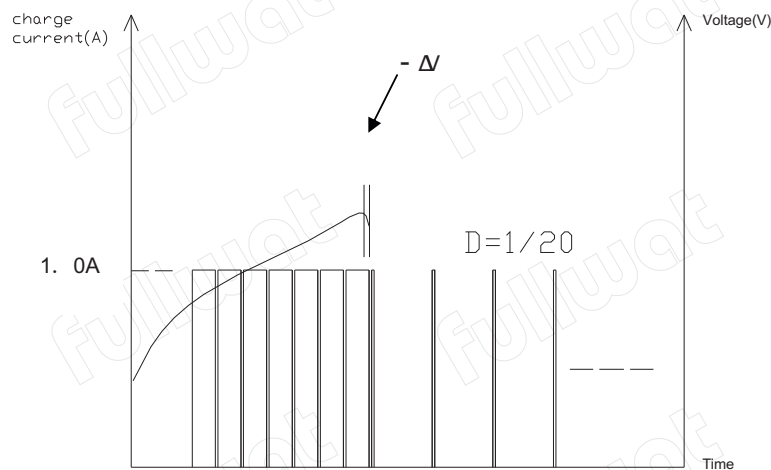
**1.4 Inrush current**

115V/40A(max.), 230V/80A(max.)  
at 25°C at cold start.

**1.5 Power efficiency**  
75% (min.) at full load, 115Vac 60Hz.

**2.0 OUTPUT**

**2.1 Charge curve**



**2.1.1** This charger can charge 2~12pcs series Ni-MH/Ni-Cd battery.

**2.1.2** End charge by  $\Delta V$  (about 5mV for each cells) detection, after detection  $\Delta V$ , It will turn to Trickle-off charge, its charger current is fast charging current of 1/20.

## 2.2 Led display

- 2.1.1 Red and green led flash for 2 times after the unit connect AC source, then both off.  
Led off on standby  
Red led on charging  
Green led on full charge  
Red flash on error status

## 3.0 PROTECTION

### 3.1 Over voltage protection

Sense level	Over voltage
+18V	24Vmax.

### 3.2 Short circuit protection

The output short to ground, it will auto-recovery without damage.

### 3.3 Output reverse input protection

When output reverse input, the unit and the battery will be no damage.

## 4.0 HI-POT

### 4.1 HI-POT

P~S:1800Vac 3S, the leakage current will be lower than 10mA.

## 5.0 ENVIRONMENT:

### 5.1 Ambient operation temperature

0°C to +40°C

### 5.2 Ambient operation relative humidity

20% to 85%

### 5.3 Ambient storage temperature

- 40°C to +70°C

### 5.4 Ambient storage relative humidity

10% to 95%

## 6.0 SAFETY:

6.1 UL1310

6.2 CE

6.2.1 EN60335-2-29

6.2.2 EN60335-1

**7.0 EMI:**

- 7.1 FCC part15
- 7.2 EN55022 classB
- 7.3 EN55024
- 7.4 EN61000-3-2
- 7.5 EN61000-3-3

**8.0 DROP TEST**

- 8.1 Freely drop the wooden board from the height of 75cm for two times per side(front/back/left/right).

**9.0 VIBRATION TEST**

- 9.1 Vibration frequency:5-60-5Hz with 10 octave/min@2.1G
- 9.2 Three circles per axis(X,Y,Z) for 10minutes

**10.0 MTBF**

40,000 hours base on bellcore TR332 document required at 25°C.

**11.0 Dimension**

Outline dimension:96L X 44W X 30(H) mm MAX;