



FU-C1000-2-14

FU-C1000-2-14 • NI-MH/NI-Cd battery pack

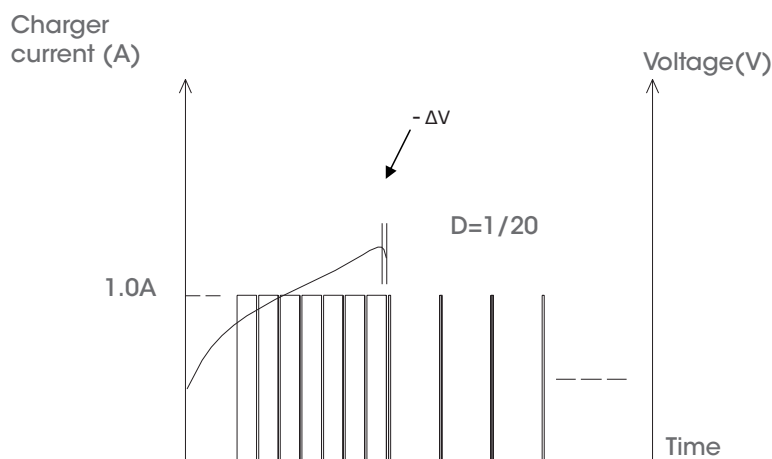


## 1. Electrical specification

FU-CL1000-16.8V				
Input voltage	Minimum	Normal	Maximum	Unit
		100	115/230	240
Frequency	47Hz-63Hz			
Current	1.0A (MAX)			
Inrush current	115V/40A(max.), 230V/80A(max.) at 25°C at cold start.			
Power efficiency	75% (min.) at full load, 115Vac 60Hz.			

## 2. Output

### Charge curve



- This charger can charge 2~12pcs series Ni-MH/Ni-Cd battery.
- 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.
- Led display:
  - 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. Protection

Sense level	Over voltage
+18V	24V max.

- Short circuit protection:  
The output short to ground, it will auto-recovery without damage.
- Output reverse input protection:  
When output reverse input, the unit and the battery will be no damage.

### 4. HI-POT

HI-POT

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

### 5. Environment

- Ambient operation temperature:  
0°C to +40°C
- Ambient operation relative humidity:  
20% to 85%
- Ambient storage temperature:  
-40°C to +70°C
- Ambient storage relative humidity:  
10% to 95%

### 6. Safety

UL1310

CE

EN60335-2-29

EN60335-1

### 7. EMI

FCC part15

EN55022 classB

EN55024

EN61000-3-2

EN61000-3-3

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**8. Drop test**

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

**9. Vibration test**

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

**10. MTBF**

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

**11. Dimension**

96L X 44W X 30(H) mm MAX