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

DESCRIPTION	SPECIFICATION	FULLWAT	
MODEL NO.	FU-C1000-2-14	DOCUMENT NO.	

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

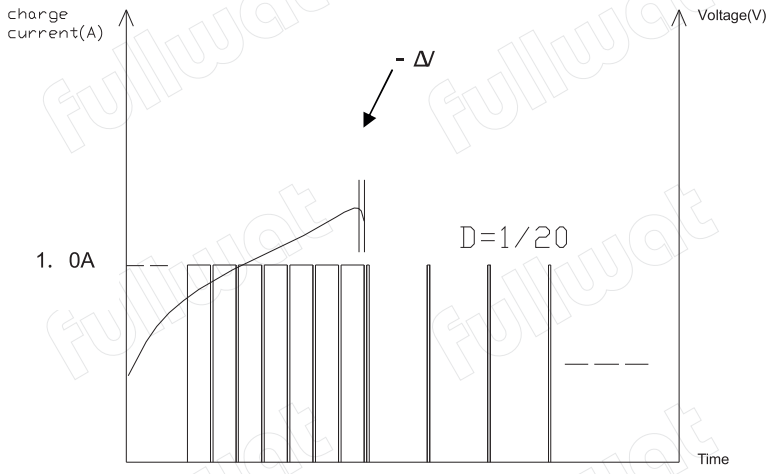
115V/40A(max.), 230V/80A(max.)
at 25℃ at cold start.

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 -Δ V(about 5mV for each cells) detection,after detection -Δ V,
It will turn to Trickle-off charge ,its charger current is fast chargering 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℃ to +40℃
5.2 Ambient operation relative humidity
20% to 85%
5.3 Ambient storage temperature
- 40℃ to +70℃
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℃.

11.0 Dimension

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