

**fullwat**<sup>®</sup>



**FU-C2000-6-12**

## **1.0 INPUT**

- 1.1 Voltage
- 1.2 Frequency
- 1.3 Current
- 1.4 Inrush current
- 1.5 Power efficiency

## **2.0 OUTPUT**

- 2.1 charge curve
- 2.2 Led display

## **3.0 PROTECTION**

- 3.1 Over voltage protection
- 3.2 Short circuit protection
- 3.3 Output reverse input protection
- 3.4 Safety timer control

## **4.0 HI-POT:**

- 4.1 HI-POT

## **5.0 ENVIRONMENT:**

- 5.1 Ambient operation temperature
- 5.2 Ambient operation relative humidity
- 5.3 Ambient storage temperature
- 5.4 Ambient storage relative humidity

## **6.0 ROHS:**

- 6.1 Rohs

## **7.0 MTBF**

## **8.0 DIMENSION**

**1.0 INPUT**

**1.1 Voltage**

Minimum	Normal	Maximum	Unit
100	115/230	240	Vrms

**1.2 Frequency**  
47Hz~63Hz

**1.3 Current**  
2.0A.(MAX)

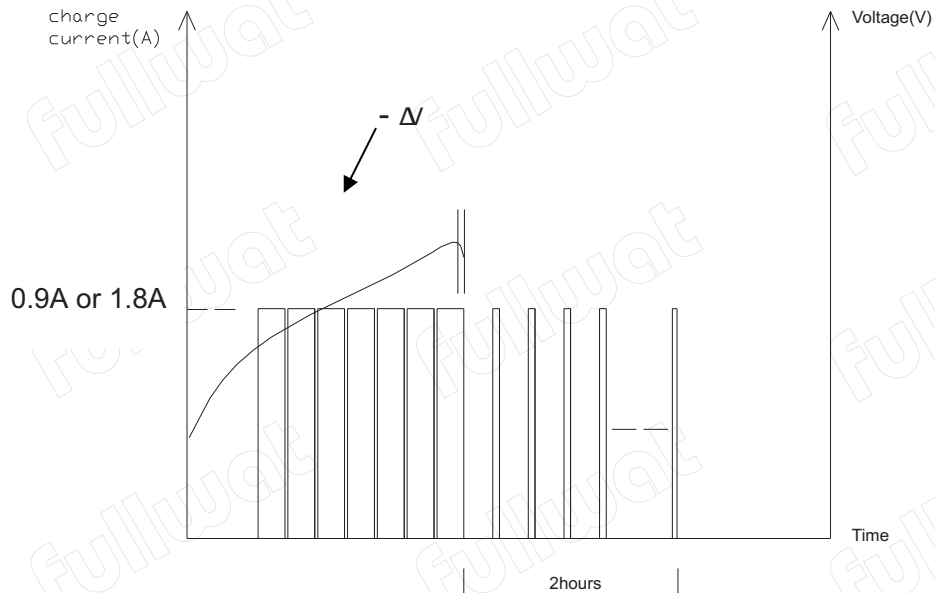
**1.4 Inrush current**

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 5~10pcs series Ni-MH/Ni-Cd battery.

**2.1.3** End charge by  $-\Delta V$  (about 20mV) detection

**2.2 Led display**

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

**3.0 PROTECTION**

**3.1 Over voltage protection**

Sense level	Over voltage
+16V	20Vmax.

**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.

**3.4 Safety timer control**

6 hours safety timer control.

**4.0 HI-POT**

**4.1 HI-POT**

P~S:3300Vac 2S,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 ROHS:**

The unit meet with ROHS appliance.

**7.0 MTBF**

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

**8.0 Dimension**

Outline dimension:120L X 60W X 38(H) mm MAX;