

fullwat[®]



FU-C2000-9-18

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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
2.0A.(MAX)

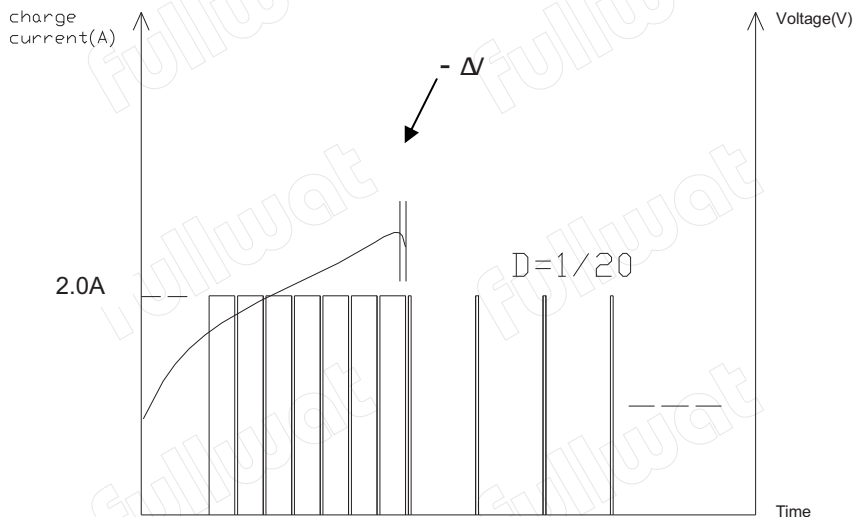
1.4 Inrush current

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 8~15pcs series Ni-MH/Ni-Cd battery.

2.1.2 Its output voltage is 0V at standby.

2.1.3 End charge by $-\Delta V$ (about 5mV) 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
+24V	27Vmax.

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 Over temperature protection

When the battery's temperature is more than 55C, the unit will immediately end charge, red led flash.

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 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

6.0 MTBF

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

7.0 Dimension

Outline dimension:120L X 60W X 38(H) mm MAX;
Output cable:L=1.2m plug 5.5x2.1x10.0mm.