



FU-CL1000-4.2V

FU-CL1000-4.2V • Li-Ion battery charger



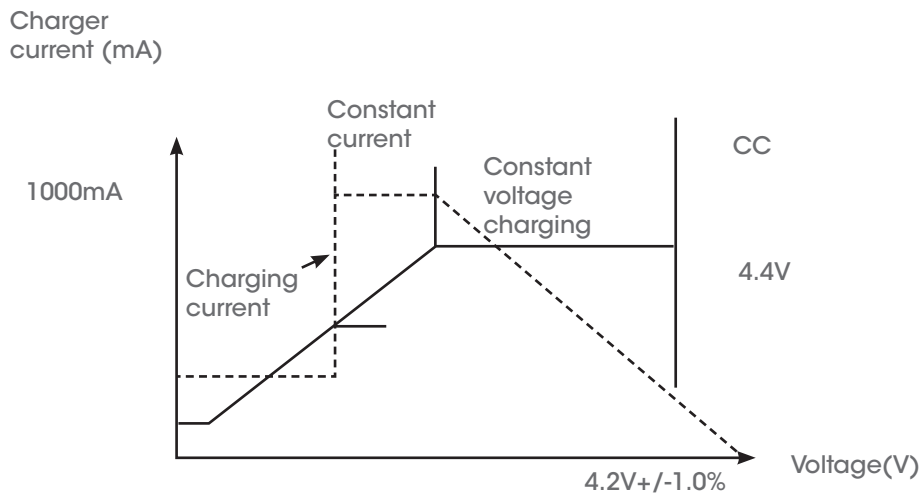
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1. Electrical specification

FU-CL1000-4.2V				
Input voltage	Minimum	Normal	Maximum	Unit
	100	115/240	240	Vrms
Frequency	47Hz-63Hz			
Current	0.2A (MAX)			
Inrush current	115V/40A(max.), 230V/80A(max.) at 25°C at cold start.			
Power efficiency	70% (min.) at full load, 110Vac or 230Vac 50Hz.			

2. Output

Charge curve



- Its output voltage is 4.2+/-1%V at standby.
- Led display:
Green on standby
Red on charging
Green on full charge when charging current drop to 100+/-50mA.

3. Protection

- Over voltage protection:
Output over voltage protection with zener diode.
- 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:3000Vac 3S, the leakage current is 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

CE

7. EMC:

FCC part15
EN55022 classB
EN55024
EN61000-3-2
EN61000-3-3

8. Drop test

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

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9.Vibration test

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

10.MTBF

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

