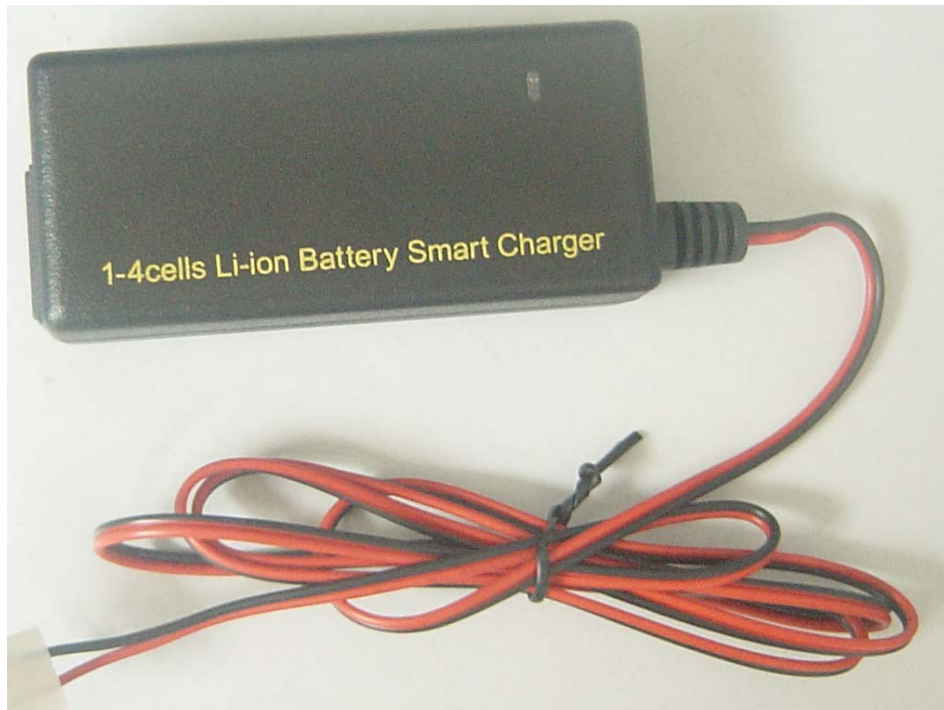


Fullwat

SPECIFICATIONS MODEL NO. : FU-CLI1000



DESCRIPTION		SPECIFICATION			
MODEL NO.		FU-CLI1000		DOCUMENT NO.	
PREPARED BY	DESIGNED BY	CHECKED BY	APPROVED BY	ISSUED DATE	Jun-28-2008
				REV.	A

Revision History

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A0	Original	Jun-28-2008

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1.0 FEATURE

- 1.1 It is very smart charger which can auto-switching output;
- 1.2 It can charge any 1~4cells Li-Ion battery pack or Li-Polymer battery pack which capacity is more than 500mAh;
- 1.3 The charger will cut off automatically if battery is fully charged;
- 1.4 MCU control the whole charge process and guarantee the battery pack get fully charge,avoid the battery pack over-charge;
- 1.5 Led display the charge status,red and green led flash for 2 times after supply AC power,then both off,red led on in charging,green led on after fully charge,red led flash in error statu or short battery pack.

2.0 INPUT

2.1 Voltage

Minimum	Normal	Maximum	Unit
100	115/230	240	Vrms

2.2 Frequency

47Hz~63Hz

2.3 Current

1.0A.(MAX)

2.4 Inrush current

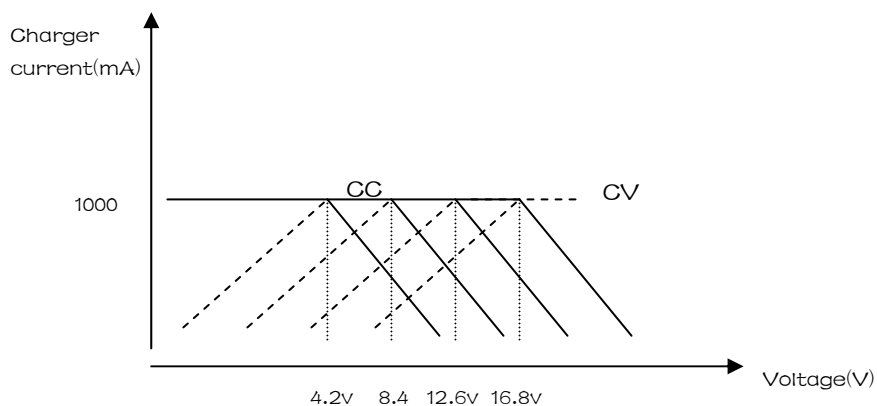
115V/40A(max.), 230V/80A(max.)
at 25°C at cold start.

2.5 Power efficiency

75% (min.) at full load, 110Vac or 230Vac 50Hz.

3.0 OUTPUT

3.1 Charge curve



3.1.1 Auto-switching output voltage:

1. 4.2V \pm 1.5%;
2. 8.4V \pm 1.5%;
3. 12.6V \pm 1.5%;
4. 16.8V \pm 1.5%.

3.2 Led display

Green on --- idle or fully charged

Orange on--- charging

Red led and green led flash for 2 times after power on,then both off

4.0 PROTECTION

4.1 Over voltage protection

Output over voltage protection with zener diode.

4.2 Short circuit protection

The output short to ground, it will auto-recovery after remove the error.

4.3 Reverse battery connection protection

When output reverse battery connect,the unit will no
Damage.

5.0 HI-POT

5.1 HI-POT

5.1.1 P~S:1800Vac 3S,the leakage current is lower than 10mA;;

6.0 ENVIRONMENT:

6.1 Ambient operation temperature

0℃ to +40℃

6.2 Ambient operation relative humidity

20% to 85%

6.3 Ambient storage temperature

-40℃ to +70℃

6.4 Ambient storage relative humidity

10% to 95%

6.0 DROP TEST

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

7.0 VIBRATION TEST

7.1 Vibration frequency:5-60-5Hz with 10 octave/min@2.1G

7.2 Three circles per axis(X,Y,Z) for 10minutes

8.0 MTBF

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

9.0 Outline

9.1.Outline dimension: 96L X 44W X 28.5(H) mm MAX;;

9.2.Profile:surface smooth ,no scar and mechanical damage.