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professional *solutions*

FU-CLI1500-42V • Li-ion battery charger



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1. Input specification

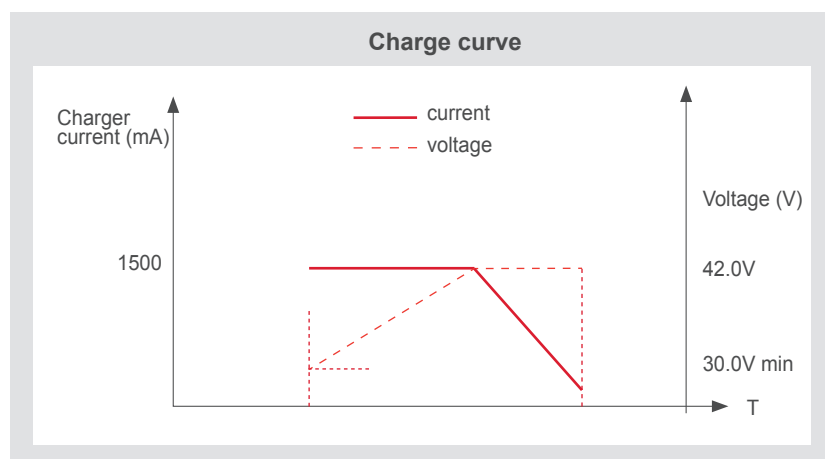
| N° | Item | Unit | Specification | |
|----|------------------|------|--|---------|
| | | | | |
| 1 | Voltage | Vrms | Minimum | 100 |
| | | | Normal | 115/230 |
| | | | Maximum | 240 |
| 2 | Frequency | Hz | 47~63Hz | |
| 3 | Current | A | 2A (max.) | |
| 4 | Inrush current | | 115V/40A (max.), 230V/80A (max.) at 25°C at cold start. | |
| 5 | Power efficiency | | 80% (min.) at full load, 110Vac or 230Vac 50Hz. | |

2. Output specification

Its output voltage is
42.0+/-1%V at standby.

Led display:

- Green on standby
- Red on charging
- Green on full charge when charging current drop to 150+/-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

P~S:3300Vac 2S, the leakage current will be 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%

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6. Safety

UL1310

CE

- EN60335-2-29
- EN60335-1

7. EMC

FCC part15

EN55022 classB

EN55014-1/2

EN50366

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).

9. Vibration test

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

10. MTBF

30,000 hours base on bellcore TR332 document required at 25°C.

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11. Outline

Outline dimension: 135.5L x 65.5W x 37(H) mm MAX;

Profile: surface smooth, no scar and mechanical damage.

