

**fullwat**<sup>®</sup>



**FU-C1500-2125**

## **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

## **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 DROP TEST**

## **7.0 VIBRATION TEST**

## **8.0 MTBF**

## **9.0 OUTLINE**

**1.0 INPUT**

**1.1 Voltage**

Minimum	Normal	Maximum	Unit
100	115/230	240	Vrms

**1.2 Frequency**  
47Hz~63Hz

**1.3 Current**  
1,5A.(MAX)

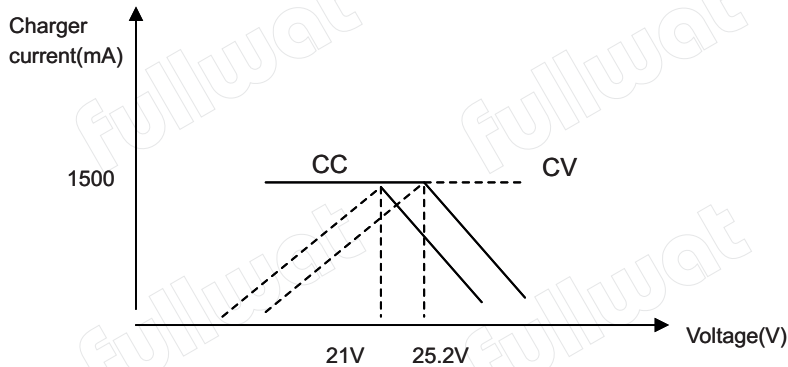
**1.4 Inrush current**

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

**1.5 Power efficiency**  
80% (min.) at full load, 110Vac or 230Vac 50Hz.

**2.0 OUTPUT**

**2.1 Charge curve**



**2.1.1 Auto-switching output voltage:**

1. 21+/-1%V at standby
2. 25.2+/-1%V at standby

**2.2 Led display**

Green on standby  
Red on charging  
Green on full charge when charging current drop to 150+/-15mA.

**3.0 PROTECTION**

**3.1 Over voltage protection**

Output over voltage protection with zener diode.

**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.

**4.0 HI-POT****4.1 HI-POT**

4.1.1 P~S:1800Vac 3S, the leakage current is 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 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°C.

**9.0 Outline**

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

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