

AA Portable Power Corp

SPECIFICATION FOR MODEL NO. : H01850018-US-D1

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| DESCRIPTION | | SPECIFICATION | | HCT Technology | |
|-------------|-------------|-----------------|-------------|----------------|-------------|
| MODEL NO. | | H01850018-US-D1 | | DOCUMENT NO. | |
| PREPARED BY | DESIGNED BY | CHECKED BY | APPROVED BY | ISSUED DATE | Aug-06-2008 |
| Henry | Henry | | | REV. | A |

Revision History

| Rev | Description | Date |
|-----|-------------|-------------|
| A0 | Original | Aug-06-2008 |
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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

2A.(MAX)

1.4 Inrush current

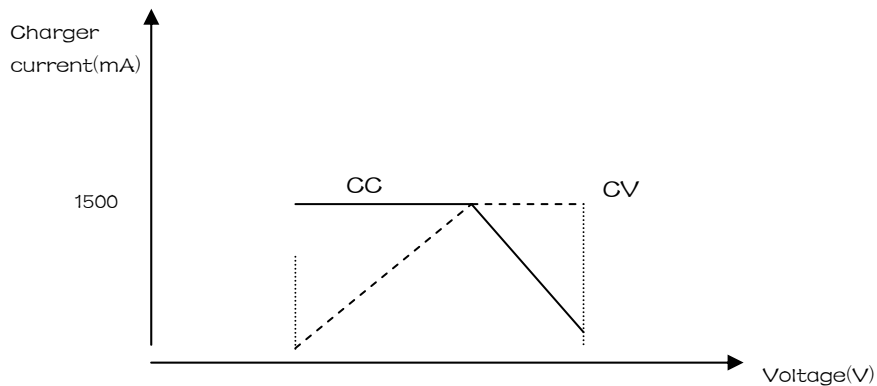
115V/40A(max.), 230V/80A(max.)
at 25°C at cold start.

1.5 Power efficiency

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

2.0 OUTPUT

2.1 Charge curve (CC @1.5A, CV@ 21 +/- 1%V)



2.1.1 Its output voltage is 21+/-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℃ to +40℃

5.2 Ambient operation relative humidity

20% to 85%

5.3 Ambient storage temperature

-40℃ to +70℃

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℃.

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.