

# AA Portable Power Corp

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## SPECIFICATION FOR MODEL NO. : H02590030-US-1

Address: 860 S 19th St, Unit A, Richmond, CA, 94804

TEL: (510) 525-2328

FAX: (510) 439-2808

POSTCODE: 94804      WEB: <http://www.batteryspace.com>

<b>DESCRIPTION</b>		<b>SPECIFICATION</b>		<b>HCT Technology</b>	
<b>MODEL NO.</b>		<b>H02590030-US-1</b>		<b>DOCUMENT NO.</b>	
<b>PREPARED BY</b>	<b>DESIGNED BY</b>	<b>CHECKED BY</b>	<b>APPROVED BY</b>	<b>ISSUED DATE</b>	<b>Aug-06-2008</b>
Henry	Henry			<b>REV.</b>	<b>A</b>

Revision History

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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

3.15A.(MAX)

### 1.4 Inrush current

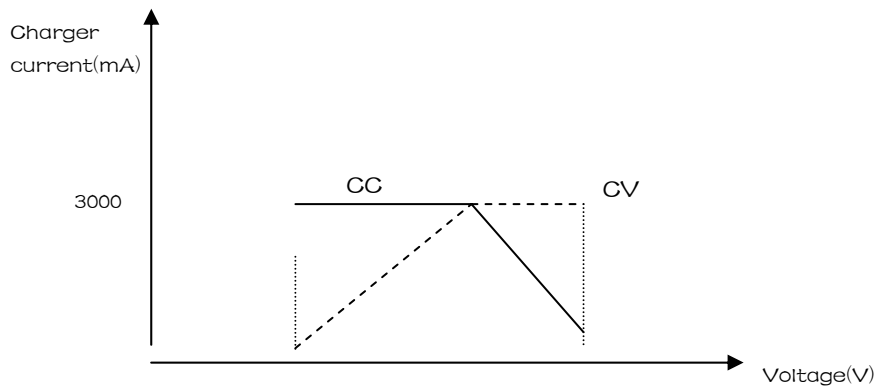
115V/40A(max.), 230V/80A(max.)  
at 25°C at cold start.

### 1.5 Power efficiency

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

## 2.0 OUTPUT

### 2.1 Charge curve (CC@3A, CV@29.4V+/-1.0%)



2.1.1 Its output voltage is 29.4V+/-1.0% at standby.

### 2.2 Led display

Green on standby

Red on charging

Green on full charge when charging current drop to 300+/-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.

## **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: 158L X 86W X 52(H) mm MAX;

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