

**SPECIFICATION FOR
MODEL NO. : H01501020-US-1
Ni-MH/Ni-Cd SMART CHARGER**

AA Portable Power Corp.
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DESCRIPTION		SPECIFICATION		AA Portable Power	
MODEL NO.		H01501020-US-1		DOCUMENT NO.	
PREPARED BY	DESIGNED BY	CHECKED BY	APPROVED BY	ISSUED DATE	Mar-05-2006
WILSTAR	WILSTAR			REV.	A

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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

2.0A.(MAX)

1.4 Inrush current

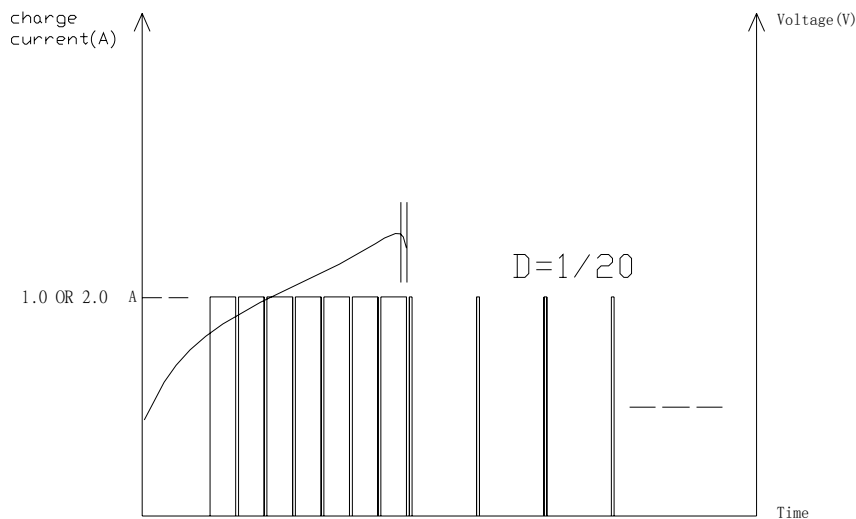
115V/40A(max.), 230V/80A(max.)
at 25°C at cold start.

1.5 Power efficiency

75% (min.) at full load, 115Vac 60Hz.

2.0 OUTPUT

2.1 Charge curve



2.1.1 This charger can charge 4-9 pcs series Ni-MH/Ni-Cd battery.

2.1.2 Its output voltage is 0V at standby.

2.1.3 End charge by $-\Delta V$ (about 5mV) detection, after detection $-\Delta V$, It will turn to Trickle-off charge, its charger current is fast charging current of 1/20.

2.2 Led display

- 2.1.1 Red and green led flash for 2 times after the unit connect AC source, then both off.
 - Led off on standby
 - Red led on charging
 - Green led on full charge
 - Red flash on error status

3.0 PROTECTION

3.1 Over voltage protection

Sense level	Over voltage
+15V	18Vmax.

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

P~S:1800Vac 3S, the leakage current will be 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 SAFETY:

6.1 UL1310

6.2 CE

6.2.1 EN60335-2-29

6.2.2 EN60335-1

7.0 EMI:

- 7.1 FCC part15
- 7.2 EN55022 classB
- 7.3 EN55024
- 7.4 EN61000-3-2
- 7.5 EN61000-3-3

8.0 DROP TEST

- 8.1 Put the unit on the wooden, freely drop from the height of 1.3m with 500g ball, 2 times per side.

9.0 VIBRATION TEST

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

10.0 MTBF

- 40,000 hours base on bellcore TR332 document required at 25°C.

11.0 Dimension

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