



**SPECIFICATION FOR  
MODEL NO. : H02400918-US-1  
Ni-MH/Ni-Cd SMART CHARGER**



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DESCRIPTION		SPECIFICATION		AA Portable Power Corp	
MODEL NO.		H02400918-US-1		DOCUMENT NO.	
PREPARED BY	DESIGNED BY	CHECKED BY	APPROVED BY	ISSUED DATE	Mar-05-2006
WILSTAR	WILSTAR			REV.	
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Rev	Description	Date
A0	Original	Mar-05-2005

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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

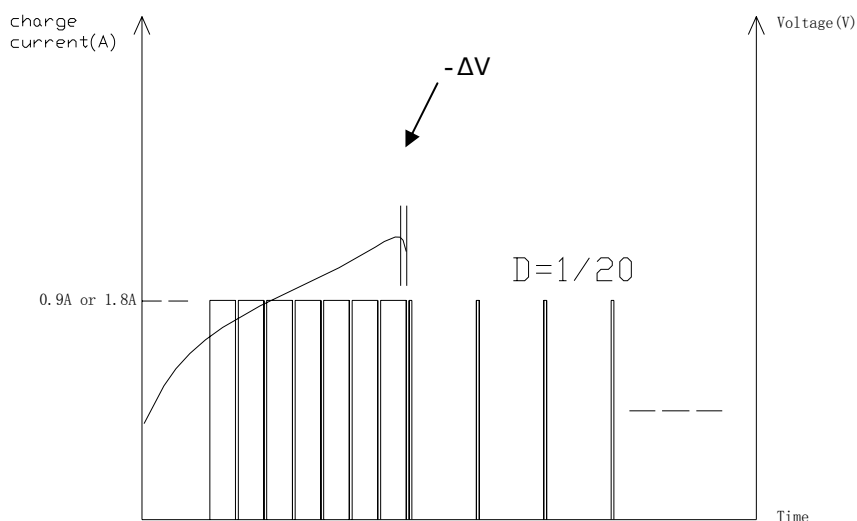
115V/40A(max.), 230V/80A(max.)  
at 25°C at cold start.

### 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 8~15pcs 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
+24V	27Vmax.

### 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.

### 3.4 Over temperature protection

When the battery's temperature is more than 55C, the unit will immediately end charge, red led flash.

## 4.0 HI-POT

### 4.1 HI-POT

P~S:3300Vac 2S, 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

## **6.0 MTBF**

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

## **7.0 Dimension**

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