

**SPECIFICATION FOR
 MODEL NO. : CH-UN2420TP
 Ni-MH/Ni-Cd SMART CHARGER**

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DESCRIPTION SPECIFICATION

MODEL NO.		CH-UN2420TP		DOCUMENT NO.	
PREPARED BY	DESIGNED BY	CHECKED BY	APPROVED BY	ISSUED DATE	Mar-05-2007
HENY	HENY			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

1.5A.(MAX)

1.3 Power factor

Power factor:more than 90% at 240Vac.

1.4 Inrush current

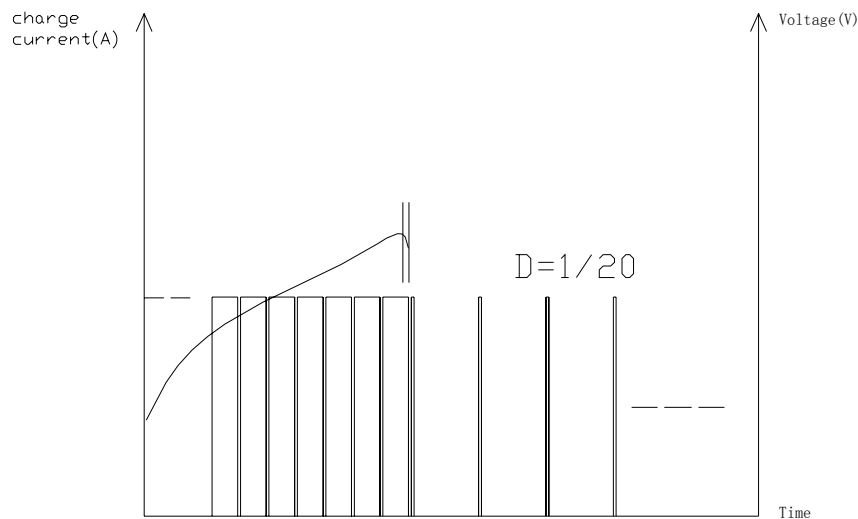
115V/40A(max.), 230V/80A(max.)
at 25°C at cold start.

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 16~20pcs 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
+32V	38Vmax.

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 temperature of the battery is more than 65°C, the charger will Turn to trickle off charging mode.

4.0 HI-POT

4.1 HI-POT

P~S:3300Vac 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 DROP TEST

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

7.0 VIBRATION TEST

**7.1 Vibration frequency:5-60-5Hz with 10 octave/min@2.1G
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 Dimension

Outline dimension:5.8"(L) X 2.7"(W) X 2.0"(H) mm MAX;