

## **SPECIFICATION FOR MODEL NO. : PU-1391**



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## 1.0 INPUT

### 1.1 Voltage

Minimum	Normal	Maximum	Unit
200	230	240	Vrms

### 1.2 Frequency

47Hz~63Hz

### 1.3 Current

5.0A.(MAX)

### 1.4 Inrush current

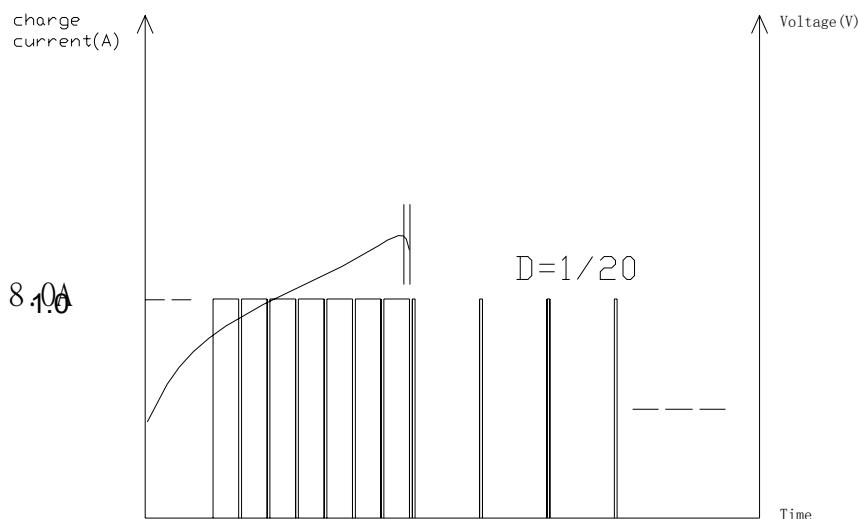
115V/40A(max.), 230V/80A(max.)  
at 25°C at cold start.

### 1.5 Power efficiency

80% (min.) at full load, 115Vac 60Hz.

## 2.0 OUTPUT

### 2.1 Charge curve



2.1.1 This charger can charge 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 10mV/cell) 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
33V	34Vmax.

## 3.2 Short circuit protection

The output short to ground, it will auto-recovery without damage.

## 3.3 Battery polarity error protection

When battery polarity is error, the unit and the battery will be no damage.

## 3.4 Time limitation

Setting timer according to Clients demand.

## 3.5 Over Temperature Protection

The charger will stop to charge when battery temperature is more than 65 Centigarde.

# 4.0 HI-POT

## 4.1 HI-POT

P~S:3000Vac 1Min, 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:

## 6.2.1 EN60335-2-29

## 6.2.2 EN60335-1

## **7.0 EMI:**

- 7.1 EN55022 classB**
- 7.2 EN55024**
- 7.3 EN61000-3-2**
- 7.4 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 10minutes**

## **10.0 MTBF**

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

## **11.0 Dimension**

**Outline dimension:160.0L X 105.0W X 70.0(H) mm MAX;**