



## Specification Approval Sheet

Name: Li-ion & Li-Polymer Battery Pack Smart Charger

Model: 01206-01

SPEC: 14.8V 1.5A

Approved By	Checkup	Make

Customer Confirmation	Signature	Date
	Company Name :	
	Stamp :	

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## 1.0 FEATURE

1.1 It is very smart charger with universal voltage;

1.2 It can charge any 14.8V Li-ion or Li-Polymer Battery packs which capacity is more than 1500mAh;

1.3 The charger will cut off automatically if battery is fully charged;

1.4 Led display the charge status,

Red led on ---- in charging

Green led on ----idle or fully charge

## 2.0 INPUT

### 2.1 Voltage

Minimum	Normal	Maximum	Unit
100	115/230	240	Vrms

### 2.2 Frequency

47Hz~63Hz

### 2.3 Current

1.0A.(MAX)

### 2.4 Inrush current

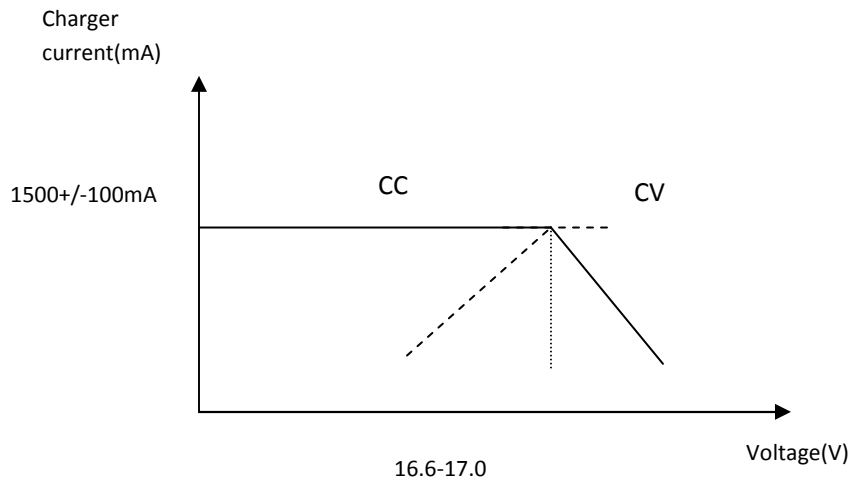
115V/40A(max.), 230V/80A(max.) at 25°C at cold start.

### 2.5 Power efficiency

75% (min) at full load, 110Vac or 230Vac 50Hz.

### 3.0 OUTPUT

#### 3.1 Charge curve



##### 3.1.1 output voltage:

1. 16.6-17.0V;
2. Led turn green when charging current is about 150mA;

#### 3.2 Led display

Green led on ---- idle or fully charged

Red led on---- in charging

### 4.0 PROTECTION

#### 4.1 Over voltage protection

Output over voltage protection with zener diode.

#### 4.2 Short circuit protection

The output short to ground, it will auto-recovery after remove the error.

#### 4.3 Battery polarity error protection

The charger will be no damage if the battery polarity is error.

### 5.0 HI-POT

#### 5.1 HI-POT

- 5.1.1 P~S: 3000Vac 1Min, the leakage current is lower than 10mA;



## 6.0 ENVIRONMENT:

### 6.1 Ambient operation temperature

0°C to +40°C

### 6.2 Ambient operation relative humidity

20% to 85%

### 6.3 Ambient storage temperature

-40°C to +70°C

### 6.4 Ambient storage relative humidity

10% to 95%

## 7.0 SAFETY AND EMC:

### 7.1 Safety

UL1310; CSA22.2; EN60335-2-29, SAA

### 7.2 EMC

FCC part15, EN55014, C-TICK.

## 8.0 DROP TEST

8.1 Freely drop the charger to wooden board from the height of 1.2m for two times per side(front/back/left/right).

## 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 bell core TR332 document required at 25°C.

## 11.0 Outline

11.1. Outline dimension: 120.0L X60.0W X 38.0(H) mm MAX;

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