



**HIGH POWER TECHNOLOGY INC.**

# **SPECIFICATION FOR APPROVAL**

**CUSTOMER:** \_\_\_\_\_

**FILE NO.** : \_\_\_\_\_

**PART NO.** : \_\_\_\_\_

**MODEL NO.** : **HP1202B - 24V 2A ( PRIDE)**

**PRODUCT NO.** : \_\_\_\_\_

**MAINFRAME MODEL** : \_\_\_\_\_

MARK	REVISED CONTENT	APPROVED&DATE

AUTHORIZED SIGNATURE&COMPANY CHOP	

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DESIGN		CHECK		APPROVAL	



1. Electric character

1.1 Input voltage and Frequency

Voltage range	Frequency	Min. voltage	Max. voltage
100Vac~240Vac	47~63HZ	90Vac	264Vac

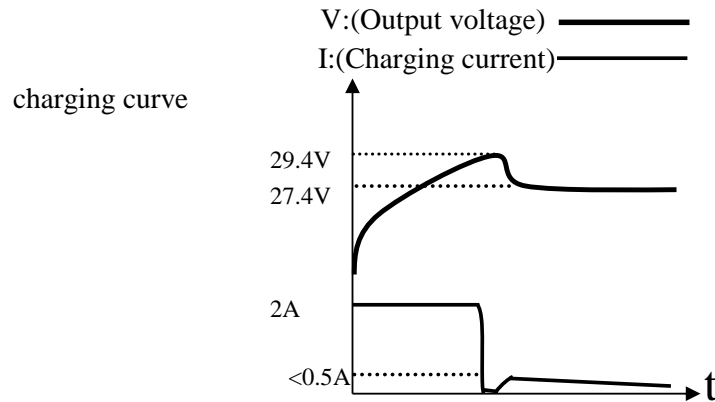
1.2 Efficiency:  $\eta > 82\%$  at rated work voltage and full load.

1.3 Input current: the max. input current should be less than 1.5A.

1.4 Input leakage current: the input leakage current should be less than 0.25mA.

1.5 Output voltage and current

charge mode	o/p voltage	o/p current
constant current fast charge	$< 29.4 \pm 0.2V$	$2A \pm 0.05A$
constant voltage float charge	$27.4 \pm 0.2V$	$< 0.5A$
no load	$27.7 \pm 0.2V$	0A



1.6 Output protection

1.6.1 Short circuit protection:  $I_{short\ circuit} < 1.2A$

1.6.2 Battery polarity reverse protection

1.6.3 Output over voltage and current protection

1.7 Operating temperature : $0^{\circ}C \sim +40^{\circ}C$ .

Operating humidity :20%~85%.

2. Mechanical size and character

2.1 The material of plastic case:

2.2 Weight:400g

2.3 Color: Black

2.4 Outside size: L153mm×W70mm×H41mm. (See diagram 1)

2.5 Input and output structure

Input: IEC320 plastic socket.

Output: standard microphone plug or appointed by customer

2.6 Nameplate and marking.(See diagram 2)

### 3. Safety standard :

3.1 Safety standard certification : UL,CSA,TUV,CE, PSE, RCM

3.2 EMI/EMC standard: —CISPR-14 —FCC-Part 15

### 4. Product introduce and operating structure

4.1 Product introduce: This is a AC/DC circuit mode Lead-acid battery charger, it used for 24V/10-17AH or more capacity sealed Lead-Acid battery. Charging mode: constant voltage and constant current.

4.2 Operating instruction.

- (1) Please remove the battery from the original equipment at first;
- (2) Please ensure power cord, battery cable and battery terminal all are ok
- (3) Please ensure the charge output voltage is the same as the connecting battery
- (4) Please connect the plug or charge the socket of battery
- (5) Please make sure the AC voltage is correct and plug in the power cord normally.

The power indicate LED(red LED) will turn on when electric current passes.

- (6) Charging start during charging, LED (charging) will indicate orange light, when it is turn to green light, that means well-charged.

4.3 LED indication

- (1) Power indication LED(RED): it is on - power on
- (2) Charge status indication LED: orange light on - charging, green light on - full-charging

4.4 Trouble solution

- (1) Power indication LED is off: please make sure AC power cord and charger is connected ok, otherwise please have the battery charger to be recovered
- (2) Charging status indication LED is off: Please ensure charger and battery are connected ok and the battery is full-charged, otherwise the battery may be defective
- (3) Orange light can not turn to green: the battery may be defective, please check and recover it.
- (4) Charging status indication LED turn to green from orange immediately, please ensure your battery is full-charged, otherwise the battery may be defective please have it to be recovered.

### 5. Caution:

- (1) Please don't connect the o/p short-output long time to prolong charger.life
- (2) When the battery polarity is wrong, the self-recovery fuse will be broken, if it is ok, the fuse will be auto-recovery. So please used our charger before ensure the battery polarity is ok.
- (3) Though charger charge automatically and can be used for deeply discharged battery, But please do not use for extremely discharged, short aged and defective battery.
- (4) For in door and ventilation well place use
- (5) Use the charger only for 36V sealed lead-acid battery

