

SPECIFICATION FOR APPROVAL/CHARGER

CUSTOMER: _____

DESCRIPTION: Input:100~240VAC 50/60Hz

Output:33.6VDC 2A

OUR MODEL NO: YS80-67336

DATE: 2013.02.18

SAMPLE COLOR: Black White

APPROVAL SIGNATURE		
APPROVED BY	CHECKED BY	TESTED BY

Manufacturer		
SALES	APPROVED BY	DESIGNED BY

Rev. List			
A00	2011-12-07	New Rev.	A00

Table of contents

1、DESCRIPTION.....3

2、INPUT CHARACTERISTICS.....3

3、OUTPUT CHARACTERISTICS.....3-4

4、PROTECTION FUNCTION.....4

5、ENVIRONMENTAL REQUIREMET.....4

6、SAFETY AND EMC REQUIREMENT.....4

7、MECHANICAL REQUIREMENT.....4

8、CONNECTING LINE DIMENSION.....5

9、LABEL.....6

10、PACKING.....7



1、SCOPE:

This product for the Switching Power Charger , the product operational factors is the constant current model.

2、INPUT CHARACTERISTICS:

2.1 Input Voltage:

Rated Voltage:100~240Vac

2.2 Input Frequency:

Rated Frequency: 50/60Hz.

2.3 Input Current:

1.7Amps max At any input voltage and rated, DC output rated load.

2.4 Inrush Current:

50 Amps Max. Cold start at 240Vac input, with rated load and 25°C ambient.

2.5 Ac Leakage Current:

0.25mA Max. At 264Vac input

3、OUTPUT CHARACTERISTICS:

3.1 RANGE FOR OUTPUT VOLTAGE & CURRENT

Output	Minimun	Normal	Maximun
Vout@0mA	33.3 Vdc	33.6 Vdc	33.9 Vdc
Vout@2000mA	30 Vdc	33.6 Vdc	33.9 Vdc
Constant Current Range for lout	1600 mA	2000 mA	2500 mA

3.2 LED indicate

NO.	Item	Requirement	LED indicate	
			Red	Green
1	Battery pack absent	No Battery Pack on the charger	OFF	ON
2	Battery pack Charging	500 ± 50mA--2000 ± 500mA	ON	OFF
3	BAT.Fulled charged	The Battery Voltang Reached To 33.6 ± 0.3V and the charging current less than about 500 ± 50mA	OFF	ON

3.3 Turn on delay time:

3Second Max.at 100Vac input and output Max load.

3.4 Ripple and Noise:

Under nominal voltage and nominal load,the ripple and noise are as follows when measure with Max. Bandwidth of 20MHz and Parallel 47uF/0.1uF,crossed connected at testing point.

Voltage	Ripple and Noise(Max.)
+ 33.6 Vdc	< 350 mVp-p

3.5 Rise time:

40 MS Max. at 100Vac input and output Max load..

3.6 Hold up time:

5 MS Min. at 100Vac input and output Max. Load.

3.7 Efficiency:

86% Min. at 115Vac input and output Max. Load.

86% Min. at 230Vac input and output Max. Load.

4、PROTECTION FUNCTION:

4.1 Short circuit protection:

The power supply will be auto recovered when short circuit faults remove.

4.2 Over current Protectio:

The power supply will be auto recovered when over current faults remove.

5、ENVIRONMENTAL REQUIREMET:

5.1 Operating Temperature:

0°C to 50°C, Full load, Normal operation.

5.2 Storage Temperature:-10°C to 80°C

5.3 Relative Humidity:

5%(0°C)~90%(40°C)RH, 72Hrs, Full load, Normal operating

6、SAFETY AND EMI REQUIREMENT:

6.1 The power supply is designed for indoor use to meet the following safety regulations:

	ITEM	Country	Standard
<input type="checkbox"/>	UL	USA	UL1310
<input checked="" type="checkbox"/>	CE	EUROPE	EN60950
<input type="checkbox"/>	GS	GERMANY	EN60950
<input type="checkbox"/>	BS	ENGLAND	EN60950
<input type="checkbox"/>	C-Tick	AUSTRALIA	AS/NZS60950
<input type="checkbox"/>	CB	UNIVERSAL	IEC60950

6.2 DIELECTRIC STRENGTH Hi-Pot:

Primary to secondary, 3000Vac/5mA/60s.

Primary to Case, 3000Vac/5mA/60s.

6.3 EMI STANDARD

Meets the Limits of

<1>. EN55022 class B rules

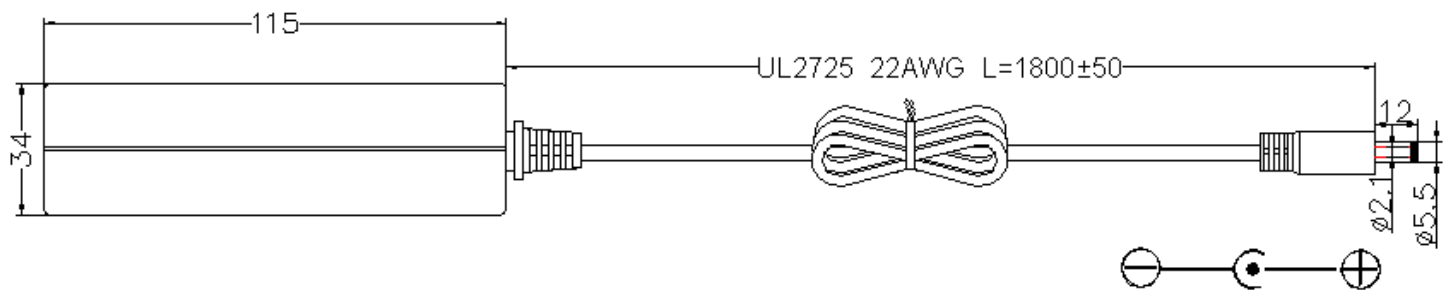
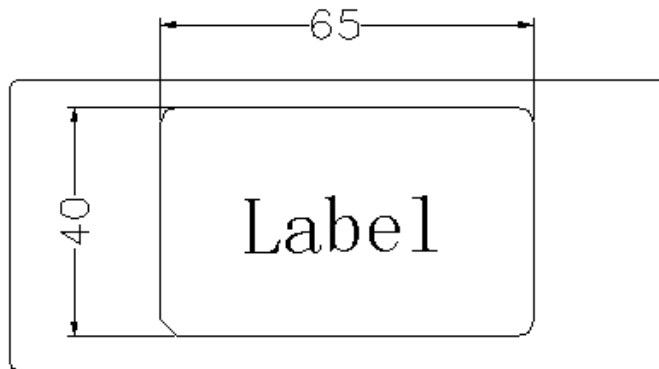
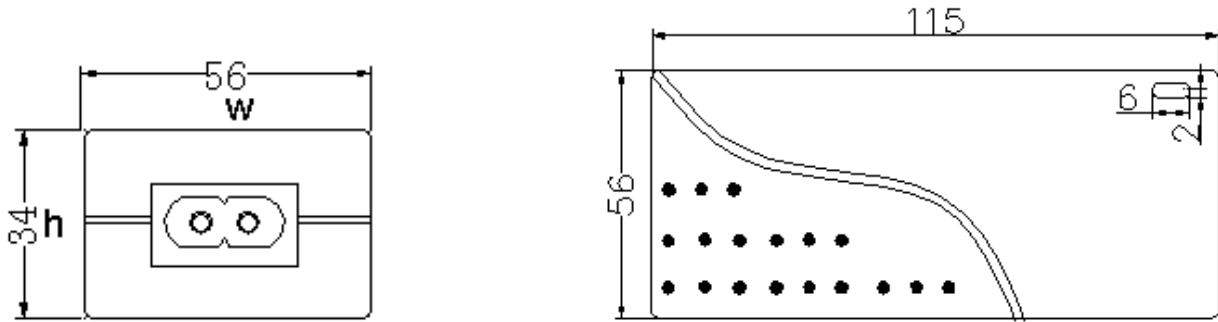
7、MECHANICAL REQUIREMENT:

7.1 Enclosure: The power supply size: L115x W56 x H34mm;

8、CONNECTING LINE DIMENSION:

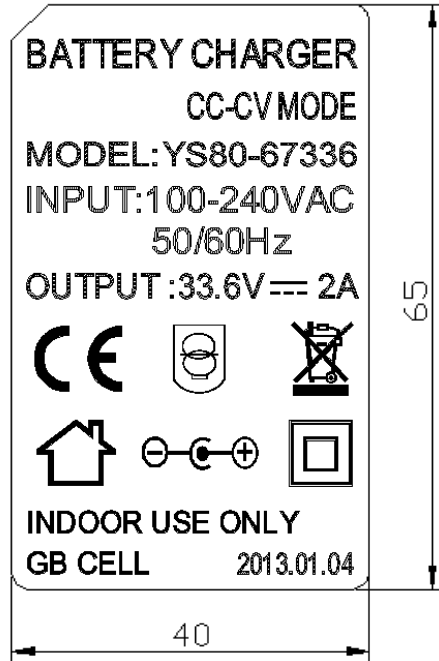
CONNECTING LINE TYPE

AC Input		
DC Output	UL2725 22/2C	color : 1.8m 5.5*2.1*12

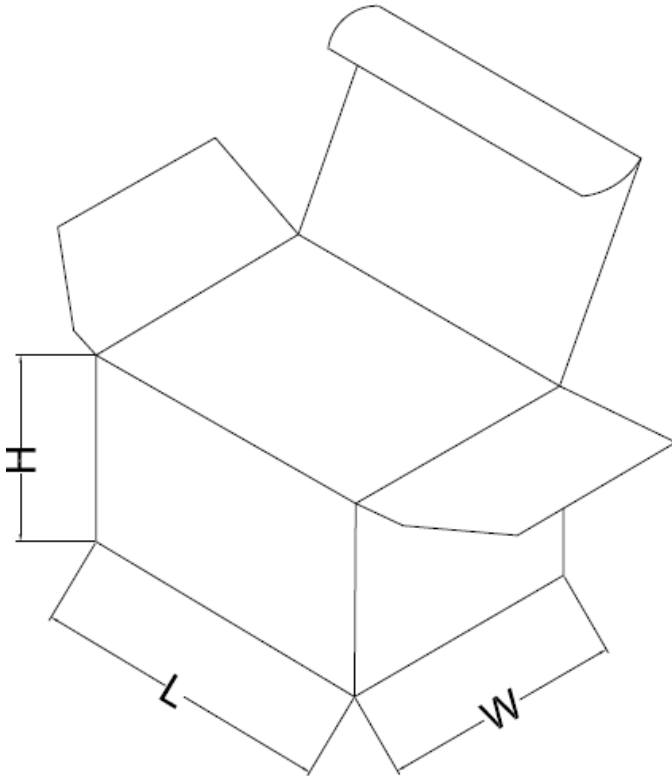


9、 LABEL:

Unit:mm



10、PACKING:

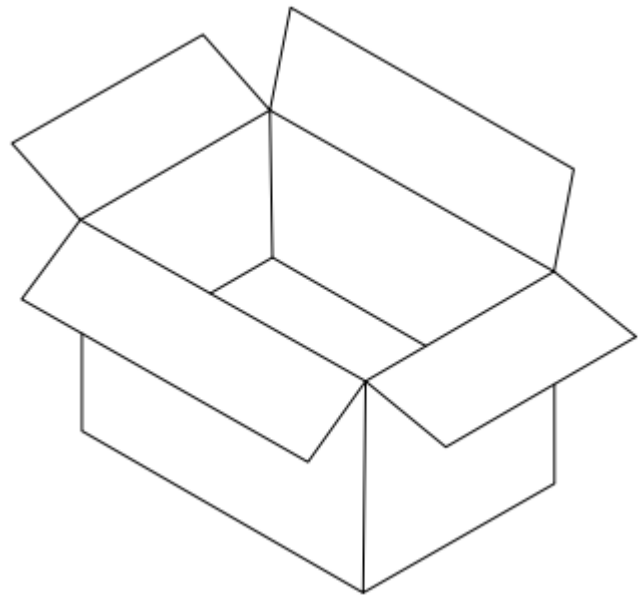


2 inner box:

Length:146mm

Width:63mm

Height:70mm



Packing request:

Packaging

Outside box:340L*310W*370H

Quantity:50PCS/CTN

Remarks:

1. Firstly, put the product into PE bag according to the picture "A/B".
2. After finishing the first step, then put the product into white box according to the picture "C".
3. Then put the product into outer carton.
4. When packing finished, then seals the carton and labels the mark.
5. Through the QA inspection, the products can be shipped