



SPECIFICATION FOR APPROVAL

CUSTOMER: _____

DESCRIPTION: I.T.E. POWER SUPPLY REV: (A0)

MODEL NO: HK-AB-075A250-D56 PART NO: HKSC-180191

DESIGNED NO: 180191-0517 DATE: JUN.14th.2018

CUSTOMER APPROVED SIGNATURES			VENDOR APPROVED SIGNATURES		
			A circular blue stamp with the text '經理' (Manager) at the top, '2018.06.14' in the middle, and '田青松' (Tan Aoshong) at the bottom.	A circular blue stamp with the text '課長' (Section Chief) at the top, '2018.06.14' in the middle, and '歐陽建瓊' (Ouyang Jianqiong) at the bottom.	A circular blue stamp with the text '繪圖員' (Draftsman) at the top, '2018.06.14' in the middle, and '鐘國珍' (Zhong Guozhen) at the bottom.



SPECIFICATION CHANGE HISTORY

CUSTOMER		Ideal Power	PART NO		HKSC-180191
MODEL NO		HK-AB-075A250-D56	REV		(A0)
REV	DATE	DESCRIPTION			REMARKS
A0	18.06.14	新發行承認書.(New issue)			鐘國珍
SAFETY APPROVAL:			ENGINEER APPROVAL:		
			ELECTRICAL		STRUCTURAL
張偉松			歐陽建瓊		陳銘



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1.0 INTRODUCTION

This document specifies a switching power supply with a output of +7.5V, and electronic process. The switching power supply will provide power for technology equipments including electrical business equipment. The adaptor meets the requirement of lead free and RoHS.

2.0 INPUT REQUIREMENTS

2.1 Input Voltage Range: 100(-10%)VAC to 240(+10%)VAC

2.2 Input Frequency Range: 47 Hz to 63 Hz

2.3 Input Power Consumption at no-load : 0.1W Max

2.4 Input In-rush Current: 50A Max

2.5 Input Current: 0.8A Max

3.0 OUTPUT REQUIREMENTS

3.1 Output Voltage: +7.5V

3.2 Output Regulation: 7.125-7.875VDC

3.3 Output Load Range: 0-2.5A

3.4 Output Ripple & Noise: 200mV Max @20MHz bandwidth with
10UF/50V capacitance and 104/50V ceramic capacitor.

4.0 EFFICIENCY: $\geq 85.18\%$ @ average of 25/50/75/100% loads 115V&230VAC input

5.0 LINE REGULATION: $\pm 2\%$ maximum

6.0 HOLD UP TIME: 10ms Min at 110VAC full load.

7.0 TURN ON TIME: 2S Max at 110VAC full load.



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8.0 TEMPERATURE COEFFICIENT: 0.05%/°C

9.0 DIELECTRIC STRENGTH (Hi-Pot) TEST

9.1 Finished product withstands AC 3.0KV, for 2 second, 4mA Max primary to secondary.

9.2 Finished product withstands AC 3.0KV, for 2 second, 4mA Max primary to case.

9.3 Finished product withstands AC 1.25KV, for 2 second, 4mA Max primary to gnd

10.0 INSULATION RESISTANCE

Primary to secondary: 50M OHM to 500VDC.

11.0 PROTECTION

11.1 Input Protection

The switching power supply has a 2 Amps inner current fuse to protect itself.

11.2 Output Protection

11.2.1 Output Current:

Overload conditions shall decrease the output voltage. Removal of an output overload shall provide automatic recovery for the output voltage.

11.2.2 Short Circuit Protection: Auto Recovery.



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12.0 ENVIRONMENTAL CONDITIONS

The switching power supply can withstand the following environmental conditions:

12.1 Storage Temperature:-20°C ~ +70 °C

Relative Humidity: 10% ~ 95%

12.2 Operation Temperature:0°C~40°C

Relative Humidity: 10%~95%

13.0 EMI / EMC

The switching power supply has approved by the following standards:

GB17625.1-2012; GB 9254-2008 CNS 14336-1(99年版)

EN55032:2015 IEC61000-4-3:2006/A1:2007/A2:2010

EN61000-3-2:2014 IEC61000-4-4:2012

EN61000-3-3:2013 IEC61000-4-5:2014

EN55024:2010+A1:2015

IEC61000-4-2:2008 IEC61000-4-6:2013

IEC61000-4-8:2009

IEC61000-4-11:2004

FCC PART 15 Class B

CISPR 32:2015(Ed2.0) AS/NZS CISPR 32:2015;

CISPR 24:2010+A1:2015(Ed2.1)

14.0 RELIABILITY AND QUALITY CONTROL

14.1 Burn-in

The burn-in test will be performed at least 2 hours at 40 centigrade degrees under full load condition.

14.2 MTBF

When the operation is complying with this specification, the switching power supply's MTBF will be 100,000 hours at 25 centigrade degrees.

15.0 SAFETY

The switching power supply has approved by the following safety standards:

UL 60950-1, 2nd Edition,2014-10-14 CSA C22.2 NO.60950-1-07, 2nd Edition,2014-10

EN60950-1:2006+A11+A1+A12+A2 BS EN60950-1:2006+A11+A1+A12+A2

AS/NZS 60950.1:2015 GB4943.1-2011 CNS 13438 (95年完整版)

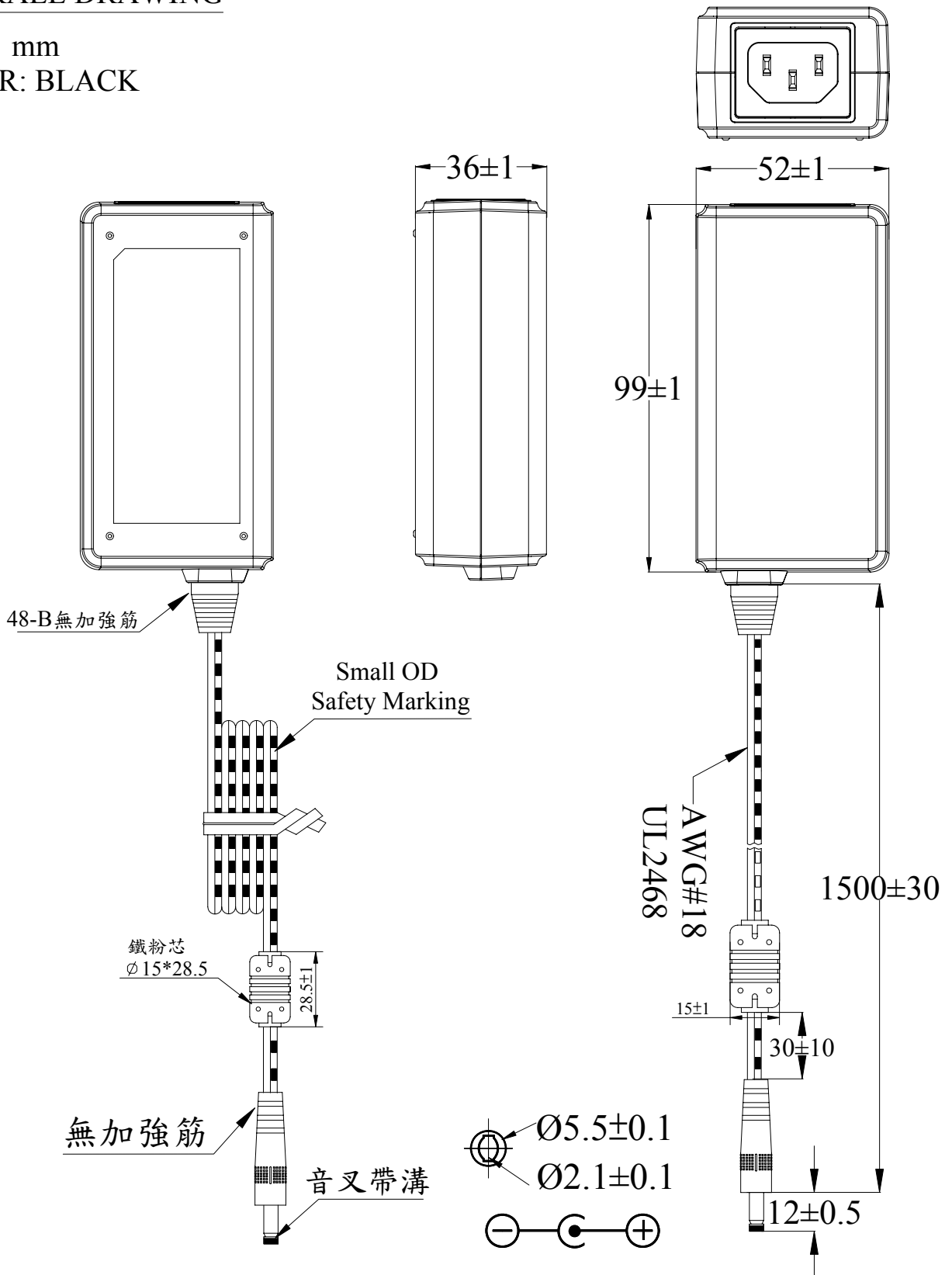
K 60950-1(2011-12)



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16. OVERALL DRAWING

UNIT: mm
COLOR: BLACK





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17. PACKING

17.1 Inner Box

UNIT: mm

BOX(Normal BOX Corrugated BOX)

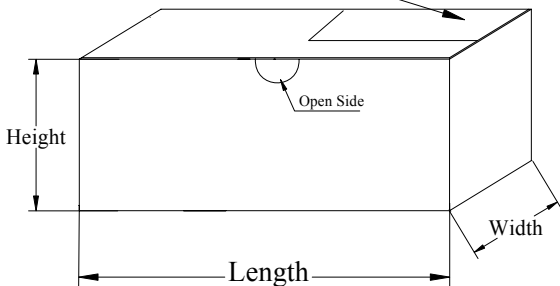
Length:120

Width: 60

Height: 52



標籤貼于白盒右上角, 如下示意圖: 注:



1. 標籤顏色紅色部份色號為: Pantone 485C, 黑色部份色號為: Black;
2. 175-2781為客戶RS編號及條碼掃描內容, 字高為4mm min, 條碼為EAN128 format;
3. 25HK-AB-075A250-D56-RS為客戶料號, 字高為2.7mm min;
4. Made in China字高為2.7mm min;
5. 1為出貨批次, 第一批為1, 第二批為2, 以此類推;
6. YY/WW為週期, Year/Week.

NOTICE:

Its probably different from the white box of the sample and the figure dimension. The white box is used to pack during product.

注意: 樣品使用的小白盒尺寸可能與此圖面尺寸不同, 此圖面尺寸是用于生產時的包裝.

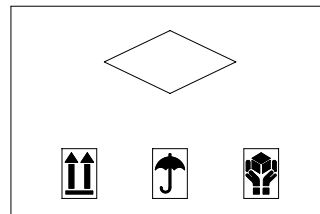


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17. PACKING

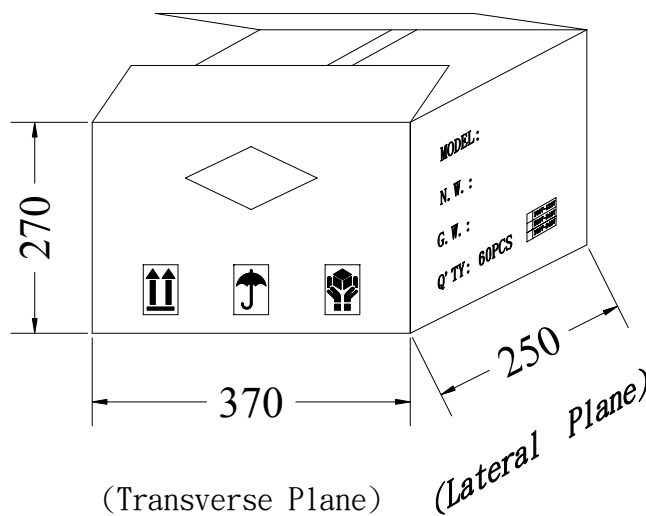
17.2 Carton

UNIT: mm



MODEL :
N. W. :
G. W. :
Q' TY: 60PCS

	100V-120V
	200V-240V
	100V-240V





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18. MARKING

100# CPC 壓花底+上光 NAME-PLATE:WHITE CHARACTERS BLACK BACKGROUND.

UNIT: mm MMYYC 제조년월:XX년XX월
 month year 生産日期 XX年 XX月
 made in China
 by Hon-kwang

