SPECIFICATION FOR APPROVAL

CUSTOMER: ___________________________________________________________

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

MODEL NO: HK-AB-240A125-CP6    PART NO: HKSC-161037


<table>
<thead>
<tr>
<th>CUSTOMER APPROVED SIGNATURES</th>
<th>VENDOR APPROVED SIGNATURES</th>
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<tbody>
<tr>
<td></td>
<td>統理 田青松 2016.10.26</td>
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<td></td>
<td>課長 歐陽建瓊 2016.10.26</td>
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<tr>
<td></td>
<td>繪圖員 羅珍珍 2016.10.26</td>
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<td>A0</td>
<td>16.10.26</td>
<td>新發行承認書.</td>
<td>羅珍珍</td>
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**SAFETY APPROVAL:**
- 張偉松

**ENGINEER APPROVAL:**
- ELECTRICAL: 歐陽建瓊, 沈宏波
- STRUCTURAL: 王霖鵬

QR-工-26A
CONTENTS

1. INTRODUCTION
2. INPUT REQUIREMENTS
3. OUTPUT REQUIREMENTS
4. EFFICIENCY
5. LINE REGULATION
6. HOLD UP TIME
7. TURN ON TIME
8. TEMPERATURE COEFFICIENT
9. DIELECTRIC STRENGTH (Hi-Pot) TEST
10. INSULATION RESISTANCE
11. PROTECTION
12. ENVIRONMENTAL CONDITIONS
13. EMI/EMC
14. RELIABILITY AND QUALITY CONTROL
15. SAFETY
16. OVERALL DRAWING
17. USE SPECIFICATION
18. PACKING
19. MARKING
20. TEST REPORT
1.0 INTRODUCTION
This document specifies a switching power supply with an output of +24V, 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
   Test condition will be tested after No load operating for 30min then measure it.
2.5 Input Current: 0.8A Max

3.0 OUTPUT REQUIREMENTS
3.1 Output Voltage: +24V
3.2 Output Regulation: 22.8-25.2V
3.3 Output Load Range: 0-1.25A
3.4 Output Ripple & Noise: 240mV Max @20MHz bandwidth with 10UF/50V capacitance and 104/50V ceramic capacitor.

4.0 EFFICIENCY: 86.95% @ average of 25/50/75/100% loads 115V&230VAC input
   Test condition will be tested after full load operating for 30min then measure it.

5.0 LINE REGULATION: ±2% maximum

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

7.0 TURN ON TIME: 2S Max at 110VAC full load.
8.0 TEMPERATURE COEFFICIENT: 0.05%/°C

9.0 DIELECTRIC STRENGTH (Hi-Pot) TEST

9.1 Primary to Secondary: AC 3000 Vrms, 4mA, 1 minute for type test, 2 second for production test.

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.

11.2.3 Over Current Protection (OCP): 2.6A Max
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:
FCC PART 15 Class B
EN61000-3-2:2014 IEC61000-4-4:2012
EN61000-3-3:2013 IEC61000-4-5:2014
EN55024:2010 IEC61000-4-6:2013
IEC61000-4-2:2008 IEC61000-4-8:2009
IEC61000-4-11:2004

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:
EN60950-1:2006+A11+A1+A12+A2
AS/NZS 60950.1:2015
16. OVERALL DRAWING

UNIT: mm
WARNING!
Please don't insert article alone at the wall.

17. USE SPECIFICATION

Please ensure the correct polarity is observed before connecting to any user equipment.
17. PACKING

17.1 Inner Box

UNIT: mm

- BOX ( Normal BOX, Corrugated BOX)

| Length: 145 |
| Width: 75 |
| Height: 65 |

(Length: 145, Width: 75, Height: 65)

Label: 1

Label: 2

RoHS

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, 此圖面尺寸是用於生產時的包裝.
17. PACKING

17.2 Carton

UNIT: mm

![Carton Diagram]

Model: HK-AB-240A125-CP6
N.W.: 100V~120V
G.W.: 200V~240V
Q'TY: 60PCS

Dimensions:
- Transverse Plane: 335 mm x 445 mm
- Lateral Plane: 310 mm x 445 mm

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18. MARKING

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

UNIT: mm

made in China by Hon-kwang