

CUSTOMER: _____

PART NUMBER: _____



APPROVAL SHEET

FOR

SWITCHING ADAPTER

MODEL NO.

DSA-60PFB-24 1 240250

ORDER NO:

承認書確認后請簽回一份

CUSTOMER APPROVED SIGNATURE

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APPROVAL BY	SAFETY	DIRECTOR	ENGINEER	PREPARED

0. REVISION CONTROL LIST

DATE	REVISION CONTROL ITEMS							
	CONTENT OF APPROVAL SHEET	SPECIFICATION	RATING LABEL DRAWING	DC OUTPUT CORD DRAWING	PRODUCT OUTLINE DRAWING	PACKING DRAWING	SAFETY LICENSE	CHINA ROHS INSTRUCTIONS
2011.03.04	A	A	A	A	A	A	A	

REVISION CHANGE DESCRIPTION

ITEM	REV	DESCRIPTION
	B	Update label and safety license

1. SPECIFICATION

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0. REVISION CHANGE DESCRIPTION

Revision	Description	Date
A	Initial release	2011.03.04

1. GENERAL DESCRIPTION

This specification defines the input, output, performance characteristics, environment, noise and safety requirements for a 60 watts switching type power supply. The power supply input/output are full range AC input and +24V DC with 60 watts maximum output.

2. INPUT REQUIREMENT

2-1 AC INPUT VOLTAGE

MINIMUM	NOMINAL	MAXIMUM
90 VAC	100 –240 VAC	264 VAC

2-2 AC INPUT FREQUENCY

MINIMUM	NOMINAL	MAXIMUM
47 Hz	50 / 60 Hz	63 Hz

2-3 AC INPUT CURRENT

115VAC VOLTAGE	1.5 A maximum
230VAC VOLTAGE	1.0 A maximum

2-4 CONFIGURATION

Desk-type, 3 Conductors, < Live, Neutral ,FG>

2-5 POWER CONSUMPTION ON POWER SAVING MODE

LOAD	INPUT CONDITION	INPUT POWER REQUIREMENT
0A	230 VAC 50 Hz	0.3W maximum
0A	115 VAC 60HZ	0.3W maximum

1. SPECIFICATION

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3. OUTPUT REQUIREMENT

3-1	DC OUTPUT VOLTAGE	+24 V
3-2	NOMINAL LOAD CURRENT	2.5 A
3-3	NOMINAL OUTPUT POWER	60 W
3-4	TOTAL OUTPUT REGULATION	±5%
3-5	RIPPLE AND NOISE	240 mVp-p maximum @ At room temperature Noise test frequency at 20 MHz bandwidth Each output by pass a 0.1uF & 10uF capacitors to ground.(connect parallel)
3-6	LINE REGULATION	+/-2% At nominal input voltage and full load
3-7	OUTPUT VOLTAGE REGULATION	The total output voltage regulation shall be ± 5%, including the effects of line voltage variations, load current, ripple and noise, and the AC component of the load current. The effect of dynamic load changes is not included in this limit
3-8	EFFICIENCY	87% minimum At 115VAC/230VAC input voltage and meet efficiency
3-9	HOLD-UP TIME	>5ms at normal input voltage
3-10	POWER FACTOR CORRECTION	≥ 0.3 INPUT VOLTAGE: nominal input voltage OUPUT LOAD: MAX LOAD
3-11	PROTECTION OVER-CURRENT PROTECTION	≤ 3.6A WITH AUTO-RECOVERY FUNCTION
3-12	REMARK	Unless otherwise specification output load Must set at CC mode.

1.SPECIFICATION

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4. MECHANICAL REQUIREMENT

4-1 DIMENSION

122.3(L) *57(W) *35.1 (H) mm maximum

4-2 WEIGHT

320g maximum

4-3 INPUT PLUG TYPE

IEC320 C14 AC PIN

4-4 OUTPUT CORD

WIRE: 18AWG/1C+SH 1185, 1500mm

PLUG: JACK PLUG 5.5*2.1*10mm

5. ENVIRONMENTAL REQUIREMENT

5-1 COOLING

Cooling shall be with natural convection cooling

5-2 OPERATING TEMPERATURE

0 °C TO 40 °C

5-3 STORAGE TEMPERATURE

-20 °C TO +60 °C

5-4 OPERATING HUMIDITY

20 ~ 85 % RH. NON-CONDENSING

5-5 STORAGE HUMIDITY

5 ~ 95 % RH. NON-CONDENSING

5-6 VIBRATION TEST REQUIREMENT

(Non-operating, with packing) Reference to IEC. 68-2-6

Test conditions		Acceptance criteria
1.Frequency	10 ~ 300 Hz	Nominal functional test should be satisfied after the test
2.Sweep	2hours. For each axis (X, Y, Z)	
3.Acceleration	2G	
4.Displacement	0.4 mm	

1.SPECIFICATION

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6. SAFETY REQUIREMENT

6-1 DIELECTRIC WITHSTANDING VOLTAGE TEST (HI-POT TEST)

Primary To Secondary: 1500VAC 10mA 1minute or 2121VDC 10mA 1minute

Primary TO Ground: 1500VAC 10mA 1minute or 2121VDC 10mA 1minute

6-2 LEAKAGE CURRENT

3.5mA maximum, at nominal AC input voltage and frequency

6-3 SAFETY STANDARDS

Designed to meet UL/CUL(UL60950-1),TUV-GS(EN60950-1),
T-LICENSE(BS EN60950-1),SAA(AS/NZS60950),
EK-MARK(K60950), CCC(GB4943),

6-4 EMI STANDARDS

Designed to meet FCC(PART 15 ,CALSS B),CE(EN55022),C-TICK,
GB9254,GB17625.1, ,

7. RELIABILITY

7-1 MEAN TIME BETWEEN FAILURE (MTBF)

The power supply shall be designed and produced to have a mean time between failures (MTBF) of 50000 operating hours minimum conditions: 80% maximum load at 25°C, nominal input voltage.

Standard:MIL-HDBK-217F

2. RATING LABEL DRAWING

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FROM NO.: COMPUTER NO.:				
REV	ZONE	DESCRIPTION	DATE	BY
A				

DVE
Switching Power Supply/电 源 配 器
MODEL/型号: DSA-60PFB-24 1 240250
INPUT/输入: 100-240V ~ 50/60Hz 1.5A
OUTPUT/输出: +24V --- 2.5A
LEVEL 3 EFFICIENCY LEVEL

CAUTION:
For Use With Information Technology Equipment

品 名 : DSA-60PFB-24 1 240250
規 格 : AC100-240V 50/60Hz 1.5A
輸 出 : 24V 2.5A
製 造 廠 : Dee Van Enterprise (LangChuan) CO., Ltd.
廠 址 : 中國 廣東 龍川

品 名 : DSA-60PFB-24 1 240250
證 書 號 碼 : 證 書 號 碼 證 書 號 碼
證 書 號 碼 : 證 書 號 碼 證 書 號 碼

UL LISTED 81GJ E135856
V100512 N136
KTC-HU10037-00006
30
CE
DVE 帝聞科技(龍川)有限公司
Made in China 中國製造 (G)

數字字體為 impact
數字高度與圓環內外
直徑之比為 5:8:12
1:1 尺寸為 >6*6mm

with a minimum value of 4mm

Min 1.5 mm

with a minimum value of 1mm

Min 3.2 mm

CAUTION: XXXXXXXX

CE

8.00 mm

6.80 mm

7.50 mm

90.7 mm

88.2 mm

38.2 mm

1:1

XXXX (XX) XXXX 表生產工廠:
1> 表帝聞電子(深圳)有限公司
2> 表帝聞科技(龍川)有限公司

(X)此代碼表生產工廠: X=F(表帝聞深圳工廠生產)
X=G(表帝聞龍川工廠生產)

NOTE:
1.顏色:銀底黑字
2.材質:消銀薄加亮面(UL, CSA APPROVAL)
3.處理:永久背膠
4.須由 UL, CSA 合格工廠承制.
5.儲存溫度: -20C 及 +90C 之範圍.
6.待業務確認安規等各項再行制作生產.
7. CE logo 高度最小需達到 5mm
8.禁止使用 DVE 所禁用之危害物質
9. LABEL 厚度為 0.25±0.02mm

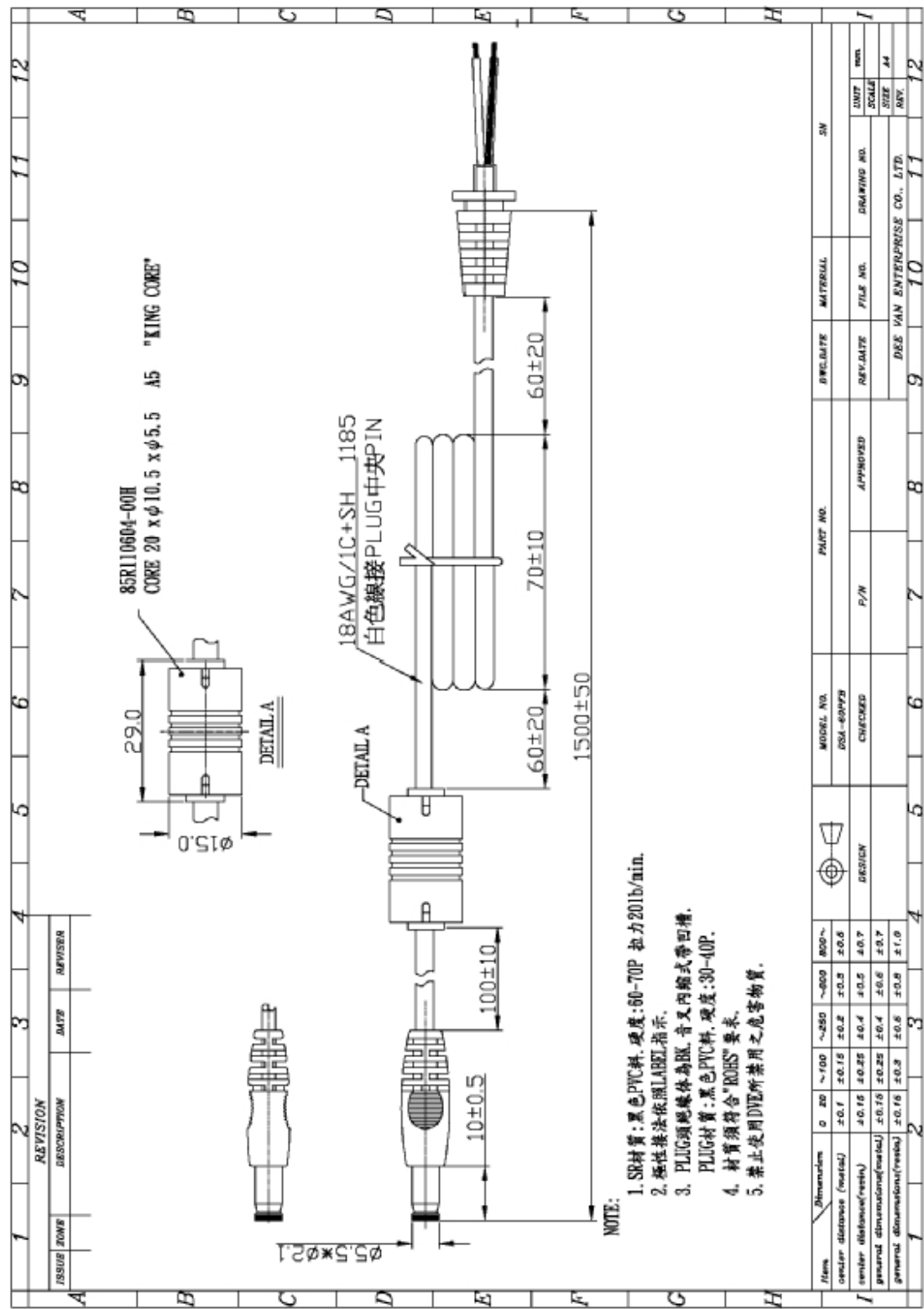
DEPART MENT	UNIT	CASE	PART NO.	SALE	DIMENSIONAL TOLERANCE
R&D SPS	mm				+0-0.2mm
APPD. BY	CHD. BY	DWG. BY	DRAWING NO.	SAFETY	備註

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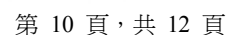
FM-336(V0)

3. DC OUTPUT CORD DRAWING

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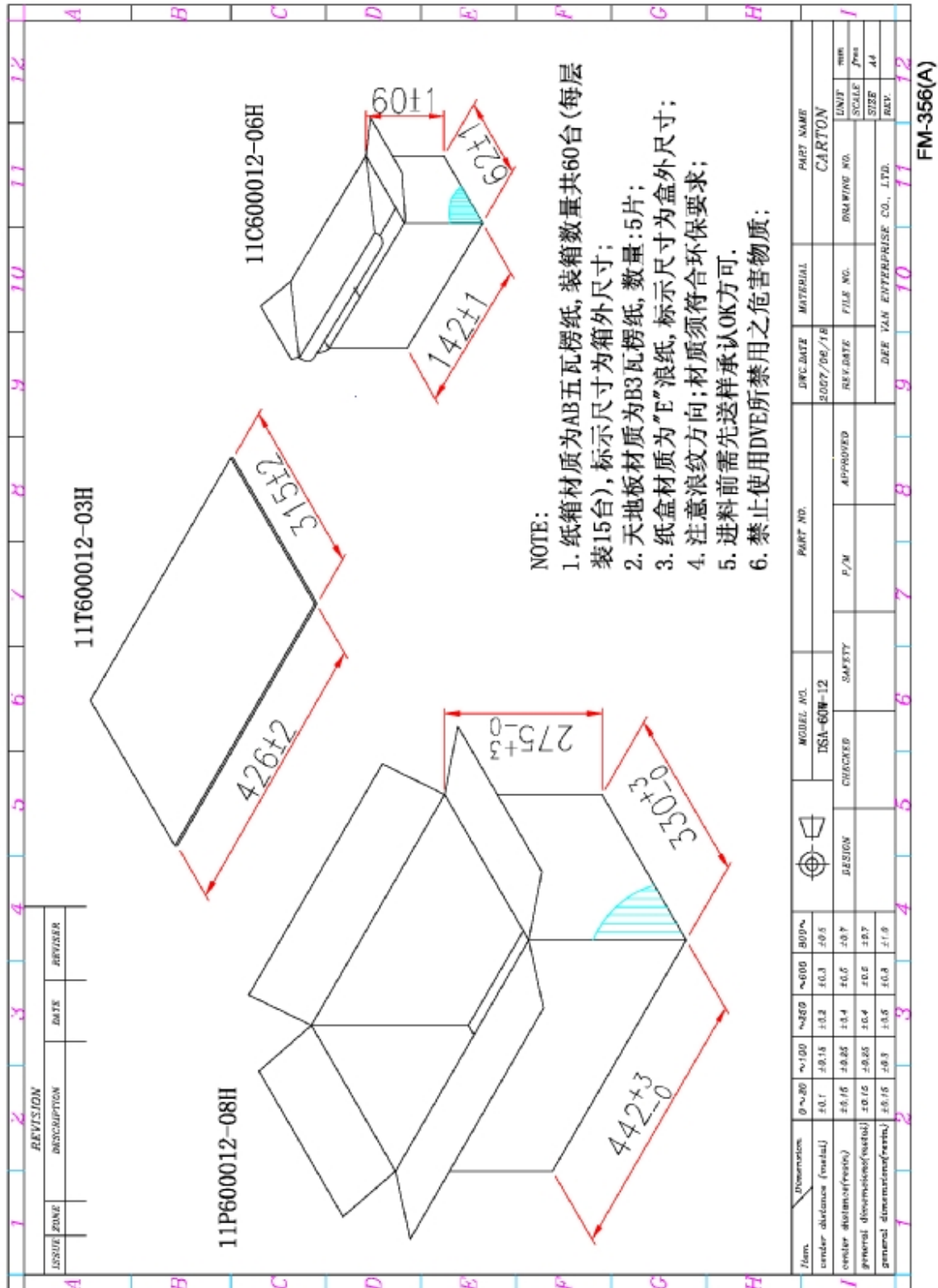


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5. PACKING DRAWING

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5. PACKING DRAWING

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