

**CUSTOMER: D092**

**PART NUMBER:**



# APPROVAL SHEET

OF

SWITCHING ADAPTER

MODEL NO.

**DSA-42D-12 1 120350**

ORDER NO: SP-233759

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CUSTOMER APPROVED SIGNATURE

CUSTOMER APPROVED SIGNATURE			

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## CONTENT of APPROVAL SHEET

<b>0. REVISION CONTROL LIST -----</b>	<b>3</b>
<b>1. SPECIFICATION -----</b>	<b>4-7</b>
<b>0. REVISION CHANGE DESCRIPTION -----</b>	<b>4</b>
<b>1. GENERAL DESCRIPTION -----</b>	<b>4</b>
<b>2. INPUT REQUIREMENT -----</b>	<b>4</b>
<b>3. OUTPUT REQUIREMENT -----</b>	<b>5</b>
<b>4. MECHANICAL REQUIREMENT -----</b>	<b>6</b>
<b>5. ENVIRONMENTAL REQUIREMENT-----</b>	<b>6</b>
<b>6. SAFETY REQUIREMENT -----</b>	<b>6</b>
<b>7. RELIABILITY -----</b>	<b>7</b>
<b>2. RATING LABEL DRAWING -----</b>	<b>8</b>
<b>3. DC OUTPUT CORD DRAWING -----</b>	<b>9</b>
<b>4. PRODUCT OUTLINE DRAWING -----</b>	<b>10</b>
<b>5. PACKING DRAWING -----</b>	<b>11</b>
<b>6. SAFETY LICENSE-----</b>	<b>12-44</b>
<b>7. CHINA ROHS INSTRUCTIONS -----</b>	<b>45</b>

APPROVAL BY	SAFETY	DIRECTOR	ENGINEER	PREPARED
賀洪明 2010/11/24	黃艷華 2010/11/26	汪建新 2010/11/24	鄒志宏 2010/11/24	徐 玲 2010/11/23

## 0. REVISION CONTROL LIST

DATE	REVISION CONTROL ITEMS							
	CONTENT OF APPROVAL SHEET	SPECIFICATI-ON	RATING LABEL DRAWING	DC OUTPUT CORD DRAWING	PRODUCT OUTLINE DRAWING	PACKING DRAWING	SAFETY LICENSE	CHINA ROHS INSTRUCTIONS
2010,11,23	A	A	A	A	A	A	A	A

## REVISION CHANGE DESCRIPTION

ITEM	REV	DESCRIPTION

## 1. SPECIFICATION

-- 1 / 4

### 0. REVISION CHANGE DESCRIPTION

Revision	Description	Date
A	Initial release	2010,11,23

### 1. GENERAL DESCRIPTION

This specification defines the input, output, performance characteristics, environment, noise and safety requirements for a 42 watts switching type power adapter.

The adapter input/output are full range AC input and +12V DC with 42 watts output maximum

### 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

NOMINAL INPUT VOLTAGE	1.2 A maximum
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#### 2-4 AC INRUSH CURRENT

AT FULL LOAD, 25 DEGREE C, COLD START

115 VAC, 60Hz INPUT	No damage shall be occurred and the input fuse shall not be blown up.
230 VAC, 50Hz INPUT	

#### 2-5 PRIMARY CURRENT PROTECTION

An adequate internal fuse on the AC input line is provided.

#### 2-6 CONFIGURATION

Desk-type, IEC320 (C14)

#### 2-7 POWER CONSUMPTION ON POWER SAVING MODE

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

## 1.SPECIFICATION

-- 2 / 4

### 3. OUTPUT REQUIREMENT

3-1	DC OUTPUT VOLTAGE	+ 12 V
3-2	MINIMUM LOAD CURRENT	0 A
3-3	NOMINAL LOAD CURRENT	3.5 A
3-4	NOMINAL OUTPUT POWER	42 W
3-5	TOTAL OUTPUT REGULATION	+/- 5 %
3-6	LINE REGULATION	+/- 2 %
		At nominal input voltage and full load
3-7	RIPPLE AND NOISE	120 mVp-p maximum
		At 20 MHz, and output parallel with 0.1uF & 10uF capacitors to ground Temperature at 25°C, At nominal input voltage
3-8	EFFICIENCY	85.6% minimum
		At 115/230VAC input voltage meet Efficiency level: V
3-9	DROP-OUT	With half cycle input voltage drop-out, the unit shall operate within the prescribed voltages with a drop-out pulse repetition rate of 500mS. Conditions: Full load and nominal input AC voltage Limits: Meet the regulation requirement
3-10	PROTECTION	
	OVER-CURRENT PROTECTION	7 A maximum with auto-recovery function
	SHORT-CIRCUIT PROTECTION	The adapter shall not be damaged by short the DC output to Ground.
	OPEN CIRCUIT PROTECTION	When primary power is applied with no load on any output level, no components damaged or hazardous conditions should be occurred.
3-11	REMARK	Unless otherwise specification output load Must set at CC mode.

## **1.SPECIFICATION**

-- 3 / 4

### **4. MECHANICAL REQUIREMENT**

#### 4-1 DIMENSION

118.5 (L) \* 48.5 (W) \* 35 (H) mm maximum

#### 4-2 WEIGHT

270 g maximum

#### 4-3 AC INLET TYPE

IEC320 (C14)

#### 4-4 OUTPUT CORD

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

PLUG: JACK PLUG 5.5\*2.5\*9.5mm

### **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 +80 °C

#### 5-4 OPERATING HUMIDITY

20 ~ 85 % RH. NON-CONDENSING

#### 5-5 STORAGE HUMIDITY

5 ~ 95 % RH. NON-CONDENSING

### **6. SAFETY REQUIREMENT**

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

Primary To Secondary: 3000VAC 10mA 1minute or 4242VDC 10mA 1 minute

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

#### 6-2 GND CONTINUITY TEST

Primary inlet F.G to Secondary GND: 25A for 1 minutes, 100mΩ maximum(Can't test this item including the DC Cord)

## **1.SPECIFICATION**

-- 4 / 4

### 6-3 LEAKAGE CURRENT

3.5mA maximum, at nominal AC input voltage and frequency

### 6-4 SAFETY STANDARDS

Designed to meet UL/CUL(UL60950-1),TUV-GS(EN60950-1),  
T-LICENSE(BS EN60950-1) ,SAA(AS/NZS60950), CCC(GB4943),  
PSE(J60950),KTC(K60950)

### 6-5 EMI STANDARDS

Designed to meet FCC(PART 15 CLASS B) ,CE(EN55022) , C-TICK,  
GB9524, GB17625.1 PSE(J55022)

## **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**

-- 1 / 1

FROM NO.:1	COMPUTER NO.:	DATE	BY
REV ZONE	DESCRIPTION	10/10/21	ZPH
A			

with a minimum value of 4mm

with a minimum value of 1mm

**NOTE:**

- 顏色:銀底黑龍加亮面(UL, CSA APPROVAL)
- 材質:消銀龍加亮面(UL, CSA APPROVAL)
- 處理:永久背膠
- 須由UL, CSA合格廠商承制
- 儲存溫度: -20C及+70C之範圍
- 待業務確認安規等各項再行制作生產
- 四形及CE logo 高度最小需達到5mm
- LABEL厚度為0.25+/-0.02mm
- 禁止使用DVE所禁用之危害物質

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

DEPART MENT	UNIT	CASE	PART NO.	SALE	備註
R&D SPS	mm				
APPD. BY	CHD. BY	DWG. BY	DRAWING NO.	SAFETY	備註
		ZPH			

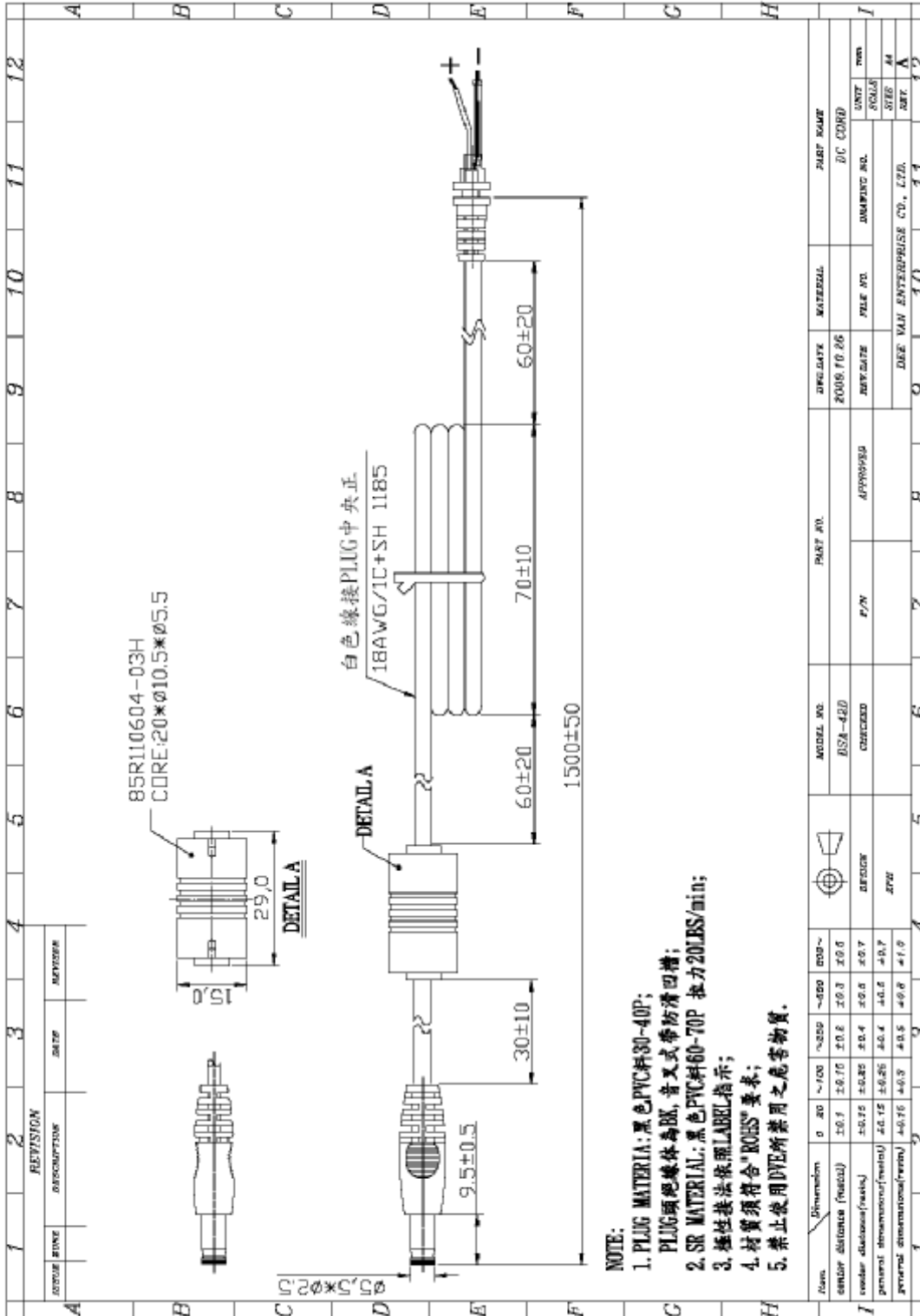
DEE VAN ENTERPRISE CO., LTD.	PAGE 1 OF 1
MODEL NO.: DSA-42D-12	

FM-336(A)



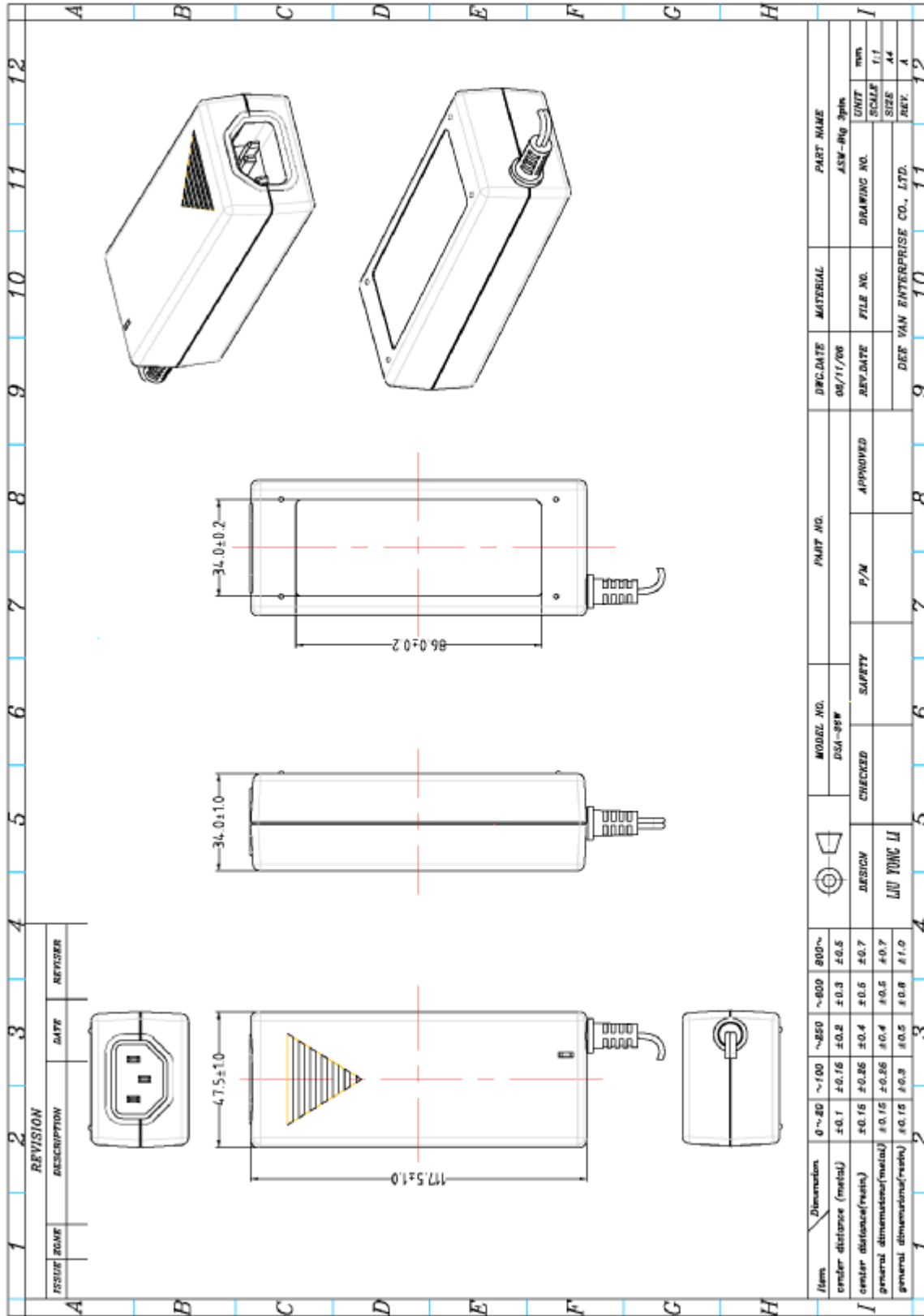
**3. DC OUTPUT CORD DRAWING**

-- 1 / 1



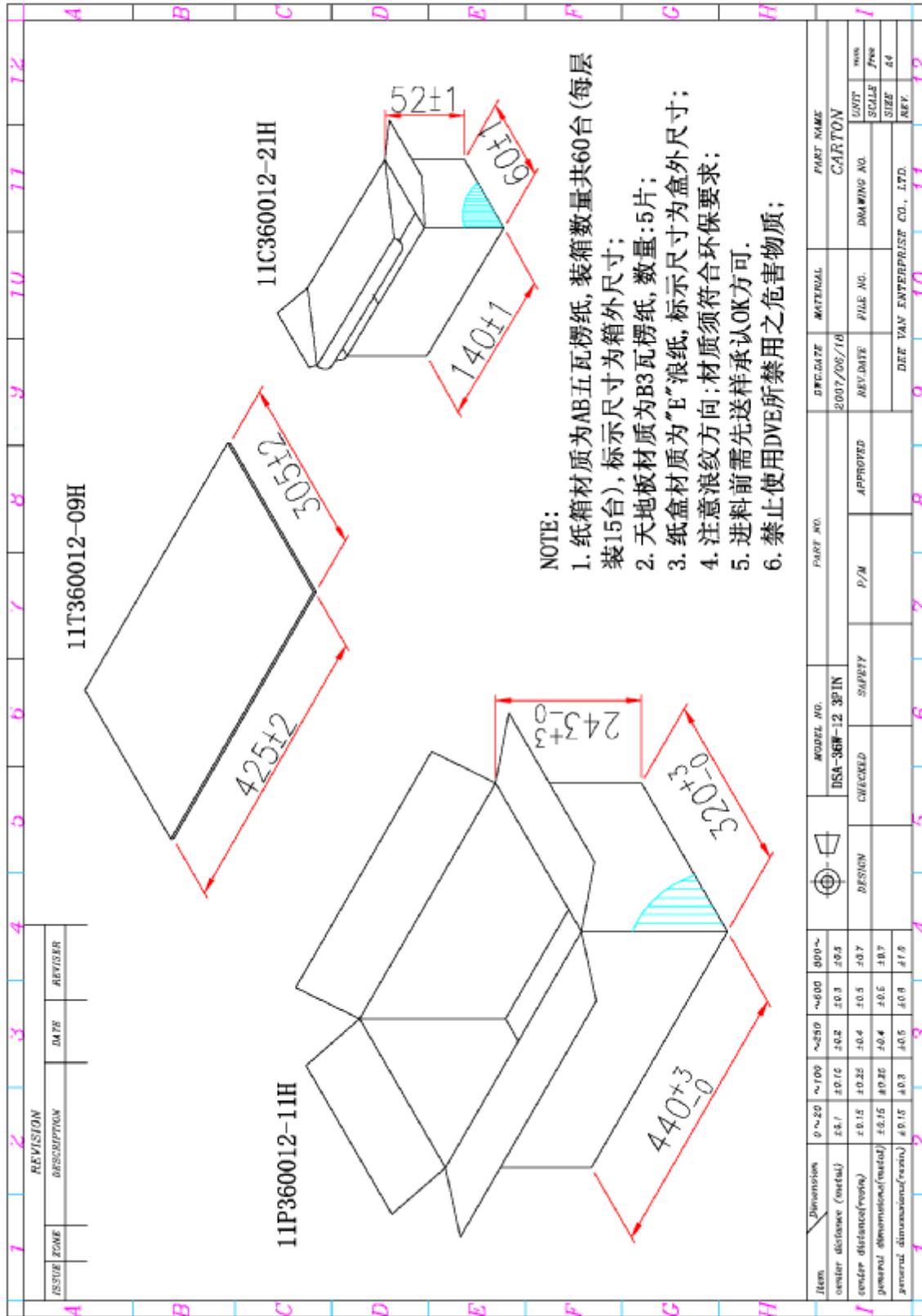
**4.PRODUCT OUTLINE DRAWING**

-- 1 / 1




5. PACKING DRAWING

- 1 / 1



## 6.SAFETY LICENSE(UL/CUL)

-- 1 / 33

 **ONLINE CERTIFICATIONS DIRECTORY**

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**QQGQ.E135856**  
**Power Supplies, Information Technology Equipment Including Electrical Business Equipment**

[Page Bottom](#)

### Power Supplies, Information Technology Equipment Including Electrical Business Equipment

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**DEE VAN ENTERPRISE CO LTD**  
NO 5 PAO-KAO RD  
HSIN-TIEN, TAIPEI 231 TAIWAN

E135856

**AC adapters**, Model(s) 403A, AC-CS1-U(FUJIFILM), DSA-0021F-05A, DSA-0072, DSA-0101-05, DSA-0101F-05A, DSA-0131F-033, DSA-0131F-05, DSA-0131F-06, DSA-0131F-09, DSA-0131F-12, DSA-0132, DSA-0151-12, DSA-0151-12S, DSA-0151AD-05, DSA-0151AD-12, DSA-0151D-05, DSA-0151D-05 x y, where x = 1 or 3, y = 0-13, DSA-0151D-12, DSA-0151F-05, DSA-0151F-12, DSA-0182, DSA-0251-05, DSA-0283A, DSA-0301-05, DSA-0301-12, DSA-0301-16, DSA-0301-18, DSA-0301-24, DSA-0302-01, DSA-0303-01, DSA-0303-02, DSA-0303-03, DSA-0303-04, DSA-0303-04A, DSA-1001, DSA0101A-05A, DV-1250, DV-1280, DV-1280-3D, DV-1485AC, DV-1840WAC, DV-51A5R, DV-51A5RD, DV-51AAT, DV-52AR-1, DV-580R, MPA-015-12A(J), TDS-0182A, TDS-051211-1-DT

**Desk top, Switching Adaptor**, Model(s) (1) DSA-50PFA-12 b cd (b1), (2) DSA-50PFA-24 b cd (b2), (1) DSA-50PFA-12 b cd (b3), (2) DSA-50PFA-24 b cd (b4)

**Direct plug in adaptor**, Model(s) DSA-20P-05 US cd, where c can be 030 to 075, d can be 000 to 150., DSA-20P-10 US cd, where c can be 080 to 094, d can be 000 to 150, DSA-20P-10 US cd, where c can be 095 to 140, d can be 000 to 204, DSA-20P-20 US cd, where c can be 180 to 240, d can be 000 to 204, DSA-30PF-12x, where x = A or blank, DSA-5R-05 FUS xxxyyy

**Direct Plug In Adaptor**, Model(s) DSA-9R-a AUS yz, where a = 03, 05, 12; y, z = 3 digits, 0-9 or A-Z

**Direct plug in adaptor**, Model(s) DSC-51F-52P US, DSC-51FL-52P US, H5WF-1200400C

**Direct Plug In Switching Adapter**, Model(s) DSA-12G-12 AUS 120y(y), DSA-12G-12 FUS 120y(y), DSA-20CA-12 de (b5), DSA-20P-aFxx 1 z(e), DSA-30WN-05 US yz, DSA-30WN-12 US yz

**Direct plug in Switching Adaptor**, Model(s) DSA-12CA-a de (v), DSA-24CA-a de(w), DSC-5CU-05 de(S), DSC-5PFC-05 bc de (K)

**Direct plug in Switching Adaptor, 2 pins**, Model(s) DSA-9PFB-09 bc de (b=A, B or F; c=UJ or US or JP; d=090-120; e=001-100)

**Direct plug-in AC/DC Adapters**, Model(s) DSA-0201F-12

**Direct plug-in AC/DC adapters**, Model(s) DV-0555R-1, DV-095930, DV-0555R

**Direct plug-in AC/DC adapters**, Model(s) DVS-xAyFUSz, where x can be 050 to 080, y can be 00 to 28, z can be N or blank.

**Direct plug-in AC/DC adapters**, Model(s) DVS-xAyFUSz, where x can be 081 to 110, y can be 00 to 20, z can be N or blank.

**Direct plug-in AC/DC adapters**, Model(s) DVS-xAyFUSz, where x can be 111 to 140, y can be 00 to 16, z can be N or blank.

**Direct plug-in AC/DC adapters**, Model(s) DVS-xAyFUSz, where x can be 141 to 180, y can be 00 to 14, z can be N or blank.

**Direct plug-in power adaptor**, Model(s) DSC-51FL ab (#)

**Direct plug-in power supplies**, Model(s) AAA00131-E-3, AD-071, AD-A95100UI, DSA-0031F-05, DSA-0051-03C z)P@, DSA-

## **6.SAFETY LICENSE(UL/CUL)**

-- 2 / 33

0051-yyC zUS@, DSA-0051-yyCC zUS@, DSA-0051F-033, DSA-006-03A, DSA-006F-03A, DSA-006X-YYA, DSA-009X-YYA, DSA-0121-XXA, DSA-0121F-XX, DSA-0126A, DSA-0126F, DSA-0151A-XX, DSA-0151F-40, DSA-0151F-X, DSA-0161F-09A, DSA-0186A, DSA-0186F, DSA-0301W-12

**Direct plug-in power supplies**, Model(s) DSA-12W-05 AUSx yyy zz, where x can be 1 or blank, yyy can be 040 to 060, zz can be 00 to 10., DSA-12W-05 FUS, DSA-12W-10 FUS, DSA-12W-15 FUS, DSA-12W-20 FUS, DSA-151MZ-03, DSA-151MZ-05, DSA-31AUS, DSA31SAUS, DSA-31FUS, DSA-31SFUS, DSA-S15-03, DSA-S15-05, DSx-0051-yy zUS @, DV-0550R, DV-062AX, DV-0935-1, DV-0935S-1, DV-0970R, DV-102AAC, DV-1270R, DV-1280-3, DV-1280-3G, DV-2480AC, DV-3060, DV-751A, DV-751A5, DV-752AX, DV-91A, DV-9210-1, DV-XXXX-B11, DV-XXXXAC-B11, DVR-3508, DVR-3512, DVR-4109, DVR-4114, DVR-4814, DVR-4818, DVR-530, DVR-5716, DVR-5720, DVR-5725, DVR-B11

**Direct plug-in power supplies**, Model(s) DVS-xyAzaUSC, where x can be 03 to 06, yz can be 00 to 30, a can be F or blank.

**Direct plug-in power supplies**, Model(s) DVS-xyAzaUSC, where x can be 07 to 10, yz can be 00 to 18, a can be F or blank.

**Direct plug-in power supplies**, Model(s) DVS-xyAzaUSC, where x can be 11 to 14, yz can be 00 to 11, a can be F or blank.

**Direct plug-in power supplies**, Model(s) DVS-xyAzaUSC, where x can be 15 to 18, yz can be 00 to 09, a can be F or blank., EI-3508, EI-3512, EI-4109, EI-4114, EI-4811, EI-4818, MJ-0506, MPA-020-09AJ

**Direct Plug-In Power Supply Adapter**, Model(s) DSC-5PNx-05 US ab, DSC-5PNx-05 ab, DSC-5PNx-05 JP ab, where x can be L or blank; a and b can be 3 digits), DVR-07520-3508, DVR-XXXX-3508 Series (=)

**Direct Plug-in Switching Adapter**, Model(s) CY-ZAC50U

**Direct Plug-in Switching Adapter**, Model(s) DSA-10P-ab cd, where ab can be 03, 05, 07 or 12; c can be 3 digits; d can be 3 digits., DSA-12W-05FUS1050xx, DSA-12W-05FUS1051xx, DSA-12W-05FUS1052xx

**Direct Plug-in Switching Adapter**, Model(s) DSA-30W-05 US yz, DSA-30W-12 US yz, where y and z can be any 3 digit numbers, 0-9.

**Direct Plug-in Switching Adapter**, Model(s) DSA-5P-ab xUS c d, where ab can be 03, 05, 08 or 12; x can by F or A; c can be 3 digits; d can be 3 digits., DSA-5W-05 bUS yz (b), DSA-5W-12 bUS yz (b)

**Direct plug-in switching adapter**, Model(s) DSA-9W-05 FJP yz (c), DSA-9W-05 FUS yz (c), DSA-9W-09 FUS yz (c), DSA-9W-15 FUS yz (c), DSC-5P-01 L US bc, DSC-5P-01 LW US bc, DSC-5P-01 US bc, where b can be 40 to 65, c can be 000 to 100

**Direct Plug-in Switching Adapter**, Model(s) DVS-120A10AUSz, DVS-120A12AUSz

**Direct plug-in switching adapter**, Model(s) DVS-150A10AUSz

**Direct Plug-in Switching Adaptor**, Model(s) DSA-18W-a b1 cd (^)

**Direct Plug-In Switching Adaptor**, Model(s) DSA-20R-12FUS, DV-721-388 yz, DSA-20R-12FUSyz, DV-721-388yz

**Direct Plug-in Switching Power Adaptor**, Model(s) DSA-12R-12 AUS yzx(f1), DSA-20R-12 FUS yz(i)

**Direct plug-in switching power adaptor**, Model(s) DSC-5P-01L US bc

**Direct Plug-in Switching Power Adaptor**, Model(s) DV-721-388 yz(i), HSWF-1201000C, HSWF-1201500C, HSWF-1200500C, HSWF-1202000C, HSWF-1202500C

**Linear direct plug-in power supplies**, Model(s) DV-1250AC-01

**Linear power supplies**, Model(s) DV-121A6ACD, DV-1351AD, MJ-8552US

**Power adapters**, Model(s) A1F2BN/OZP, DSA-0421S-03 Y zz (Y may be 1, 2, or 3, z can be 0-9, A-Z or blank), DSA-0421S-05 Y zz (Y may be 1, 2, or 3, z can be 0-9, A-Z or blank), DSA-0421S-07 Y zz (Y may be 1, 2, or 3, z can be 0-9, A-Z or blank), DSA-0421S-09 Y zz (Y may be 1, 2, or 3, z can be 0-9, A-Z or blank), DSA-0421S-12 Y zz (Y may be 1, 2, or 3, z can be 0-9, A-Z or blank), DSA-0421S-14 Y zz (Y may be 1, 2, or 3, z can be 0-9, A-Z or blank), DSA-0421S-20 Y zz (Y may be 1, 2, or 3, z can be 0-9, A-Z or blank), DSA-0421S-24 Y zz (Y may be 1, 2, or 3, z can be 0-9, A-Z or blank), DSA-0421S-28 Y zz (Y may be 1, 2, or 3, z can be 0-9, A-Z or blank), DSA-0421S-40 Y zz (Y may be 1, 2, or 3, z can be 0-9, A-Z or blank), DSA-0421S-48 Y zz (Y may be 1, 2, or 3, z can be 0-9, A-Z or blank), DSA-0421S-50 Y zz (Y may be 1, 2, or 3, z can be 0-9, A-Z or blank)

**Power adapters**, Model(s) DV-0980S-B20

**Power supplies**, Model(s) DSA-0121D-03, DSA-0151AD-06, DSA-0151D-05, DSA-0151D-06, DSA-0151D-09, DSA-0151D-

## 6.SAFETY LICENSE(UL/CUL)

-- 3 / 33

09.5, DSA-0481-12, DSA-0481-12HA, DSA-0501-12, DSA-1001, DSA-1001-13, DSA-1001-24, DSA-1301-20

**Switching Adapter**, Model(s) DSA-12GX-a bc de (aa)

**Switching Adapter**, Model(s) DSA-20PFE-a bc de (a=05, 12, 15; b=A or B or F; c=UJ or US or JP; d=050-180; e=001-300 )

**Switching Adapter**, Model(s) DSA-20R-12 bc de (a=05, 12, 15; b=A or B or F; c=UJ or US or JP; d=050-180; e=001-300 )

**Switching Adapter**, Model(s) DSA-24PFD-15 bc xy (b=A or B or F, c= UJ,US, JP ;x=120-150; y=001-200 ); b=A or B input voltage: 100-120Vac; b=F input voltage: 100-240Vac x= Output voltage :120-150 (120=12Vdc, 150=15Vdc); y= Output current : 001-200 (001=1.0 mA, 200=2.0A), DSA-26PFA-15 FUS xy (m), DSA-40CA-a bc (o), DSA-40D-a 2 cd (a1), DSA-40D-a 3 cd (a1), DSA-42D-a b cd(+), DSA-42D-a b cd(+), DSA-60PFB-24 b cd (+), DSA-60PFB-24 b cd (-)

**Switching Adapter**, Model(s) DSA-60W-12 1, DSA-60W-12 3, DSA-60W-16 1, DSA-60W-16 3, DSA-60W-20 1, DSA-60W-20 3, DSA-60W-12 2, DSA-60W-16 2, DSA-60W-20 2, DSC-3PFB-05 bc de (j), DSC-5CA-05 bc (b=050 - 075, c=001 - 100), DSC-5PFB-05 bc de (n)

**Switching Adaptor**, Model(s) DSA-10CU-05 bc(f), DSA-12PFA-a bc de (f3), DSA-12RN-12 AUS 120z(s), DSA-15CA-12 b yz(h)

**Switching Adaptor**, Model(s) DSA-20D-a b yz, (a=05,12 or 20; b= 1 or 3 ; yz= 3 digit numbers of any of 0-9), DSA-20D-a b yz, (a=05,12 or 20; b= 2; yz= 3 digit numbers of any of 0-9), DSA-20P-a Fxx z(e), DSA-21F-05-01 US, DSA-30PFA-a bc de (l), DSA-30PFA-a bc de (p), DSA-36W-12 X YY, DSA-36W-12 xx, DSA-3RRA-05 Fc de (z), DSA-50W-12 2 120b(g2), DSA-50W-12 a 120b(g1), DSA-51z-05 xy (z= U or C, x=050 and y=001-100), DSA-55W-12 3 xx(%), DSA-60PFB-12 b cd (q1), DSA-60PFB-12 b cd (q2), DSA-65W-2 xxyy(%), DSA-65W-3 xxyy(%), DSA-6G-05 FUS xy (f2)

**Switching Adaptor**, Model(s) DSA-90W-ab c xxxyy, where ab can be 12 or 24; c can be 1, 2 or 3; xxx can be 120 to 240; yy can be 00 to 90.

**Switching adaptor**, Model(s) DSC-31F US52050, DSC-31FLUS52050

**Switching Adaptor**, Model(s) DSC-6PFA-05 Fc de(k1), DSC-6PFA-12 Fc de(k2), HSWF-1202000I, HSWF-1202500I, HSWF-1203000I

**Switching adaptors**, Model(s) DSC-5WU-05 xUS cccddd(d)

**Switching charger**, Model(s) DSC-0051-03C, M120201

**Switching Power Adapter**, Model(s) 5-2791, 5-2792, DSA-15P-a US yz, DSA-15PR-a US yz, DSA-15PR-a UJ yz

**Switching power adaptors**, Model(s) DSA-0601S-12 1, DSA-0601S-12 2, DSA-0601S-12 3, DSA-0601S-19 1, DSA-0601S-19 2, DSA-0601S-19 3, DSA-342

**Switching power adaptors**, Model(s) DSA-36W-16 a, where a = output power (output max. 36W, 15-18Vdc, max. 2.4 A), HSWF-1205000I or HSWF-1204000I

**Switching Power Supply**, Model(s) DSA-20PL-10 US cd (c = 095-140, d = 000-204), DSA-6E-a b yz (a = 05 or 12, b = US or JP, y and z = any 3 digits)

**Switching power supply**, Model(s) DSC-51F ab (a)

(#) - Where "a" may be 40 to 60, and "b" may be 001 to 100.

(\$) - Where "z" can be any numbers between 001-120

(%) - Where x, y can be any alphanumeric charter or blank.

(+) - (b=1 or 3; c=190-240, d=001 to 316)

(=) - Where X can be any alphanumeric charter or blank.

(a) - Where "a " may be 40 to 60, and "b" may be 001 to 100.

(a1) - Where a = 12 or 19; c=120 to 160 or 161 to 200; d=001 to 300 or 001 to 248

(b) - (b=A or F, y and z can be any 3 digit numbers(0-9) or blank)

## **6.SAFETY LICENSE(UL/CUL)**

--4 / 33

- (b1) - (b=1 or 3, c=120-150 for output voltage, d=001-416 for output current)
- (b2) - (b=1 or 3, c=240 for output voltage, d=001-209 for output current)
- (b3) - (b=2, c=120-150 for output voltage, d=001-416 for output current)
- (b4) - (b=2, c=240 for output voltage, d=001-209 for output current)
- (b5) - where d = 090 ~ 120 for output voltage (090 = 9Vdc; 120 = 12Vdc); e = 001 ~ 200 for output current (001 = 0.01A; 200 = 2A)
- (c) - Where y and z can be any 3 digit numbers, 0-9.
- (d) - Where x can be A or F; ccc can be any number 045 to 081; ddd can be any number 062 to 100.
- (e) - Where a=01-05, x=A or Z for marking purpose, z=001-195.
- (f) - b=050; c=001-200
- (f1) - Where y can be any numbers between 090 - 120; z can be any numbers between 001 - 120; x can be S or blank.
- (f2) - Where x and y can be three-digit numbers.
- (f3) - a may be 03, 05, 09 or 15; b may be F; c may be US; d may be 033 to 080 and 090 to 150; e may be 001 to 200.
- (g1) - Where a=1, 3 ; b=000 to 500
- (g2) - Where b=000 to 500
- (h) - Where b=AA to ZZ or blank, y=090-120, z=001-150
- (i) - where y and z = 3 digit number which can be 0-9 or blank
- (j) - b = A, B or F; c = UJ, US or JP; d = three-digit number from 030 to 055; e = three-digit number from 001 to 070
- (K) - (b=A, B or F; c=UJ or US or JP; d=050-075; e=001-100) b= A or B for input voltage: 100-120 Vac, b= F for input voltage: 100-240 Vac; d= Output voltage: 050-075 (050=5Vdc, 075=7.5Vdc); e= Output current: 001-100 (001=10mA, 100=1.0A)
- (k1) - Where c=US, UJ or JP; d=050 to 075; e=001 to 100.
- (k2) - Where c=US, UJ or JP; d=080 to 120; e=001 to 075.
- (l) - Where a=15 or 19 ,b=A or B or F; c=UJ or US or JP; d=120-160 or 180-200; e=001-220 or 001-169
- (m) - x = 120; y = 001 to 210
- (n) - b=F or A, c=UJ or US, d=042-050, e=001-100
- (o) - Where a = 12, 19; b = 120 - 160 or 161 - 200, c = 001 - 300 or 001 - 248
- (p) - Where a=15 or 19, b=A or B or F or blank; c=UJ or US or JP; d=120-160 or 180-200; e=001-220 or 001-169
- (q1) - where b=1 or 3; c=001-120, d=001 to 500
- (q2) - where b=2; c=001-120, d=001 to 500
- (r1) - Where a = 09,12, 19, 24, 48; b=1 or 3; c=75 to 100, or 120 to 150, or 160 to 200, or 201 to 240, or 480 to 500; d=001 to 480, or 001 to 350, or 001 to 263, or 001 to 209, or 001 to 100
- (r2) - Where a = 09,12, 19, 24, 48; b=2; c=75 to 100, or 120 to 150, or 160 to 200, or 201 to 240, or 480 to 500; d=001 to 480, or 001 to 350, or 001 to 263, or 001 to 209, or 001 to 100
- (S) - d=050-075; e=001-100), d= Output voltage: 050-075 (050=5Vdc, 075=7.5Vdc); e= Output current: 001-100

## 6.SAFETY LICENSE(UL/CUL)

-- 5 / 33

(001=10mA, 100=1.0A)

(v) - (a=05 or 12) (d=050-120) (e=001-200)

(w) - where a = 05 or 12 for output voltage range; d = 050 ~ 160 for output voltage (050 = 5Vdc; 160 = 16Vdc); e = 001 ~ 400 for output current (001 = 0.01A; 400 = 4A)

(y) - Where y=001 to 120.

(z) - c = US or UJ, d and e = any 3 digits

(~) - (b=2; c=190-240, d=001 to 316)

@ - Where x may A or R; yy may 03, 05, 07, 12; z may be A or F denoting rated voltage range, F for 100-240V, A for 100-120V.

a UJ yz - Where a can be "05", y can be any number between 050-075, z can be any number between 001-130; or where a can be "12", y can be any number between 090-135, z can be any number between 001-150 or where a can be "15", y can be any number between 136-166, z can be any number between 001-150; or when a = "24"; y = 240; z can be any numbers between 001-120 to denote output power in Watt by 1 decimal place.

a US yz - Where a can be "05", y can be any number between 050-075, z can be any number between 001-130; or where a can be "12", y can be any number between 090-135, z can be any number between 001-150 or where a can be "15", y can be any number between 136-166, z can be any number between 001-150; or when a = "24"; y = 240; z can be any numbers between 001-120 to denote output power in Watt by 1 decimal place.

aa - (a=09, 12, 15; b=F or A, c=UJ or US, d=090-180, e=001-120)

AUS yz - Where y can be any numbers between 090 - 120; z can be any numbers between 001 - 120.

FUS xxxyyy - Where xxx can be any numbers between 042 - 090; yyy can be any numbers between 050 - 080.

^ - a=12, b=US, JP, c=3 digit number for output voltage, d=3 digit number for power

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## 6.SAFETY LICENSE(UL/CUL)

-- 6 / 33

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[Page Bottom](#)

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**DEE VAN ENTERPRISE CO LTD**  
NO 5 PAO-KAO RD  
HSIN-TIEN, TAIPEI 231 TAIWAN

E135856

**AC adapters**, Model(s) 403A, AC-CS1-U(FUJIFILM), DSA-0021F-05A, DSA-0072, DSA-0101-05, DSA-0101F-05A, DSA-0131F-033, DSA-0131F-05, DSA-0131F-06, DSA-0131F-09, DSA-0131F-12, DSA-0132, DSA-0151AD-05, DSA-0151AD-12, DSA-0151D-05, DSA-0151D-05 x y, where x = 1 or 3, y = 0-13, DSA-0151D-12, DSA-0151F-05, DSA-0151F-12, DSA-0251-05, DSA-1001, DV-1250, DV-1280, DV-1280-3D, DV-1485AC, DV-51A5R, DV-51A5RD, DV-51AAT, DV-52AR-1, DV-580R, MPA-015-12A(I), TDS-0182A, TDS-051211-1-DT

**Desk top, Switching Adaptor**, Model(s) (1) DSA-50PFA-12 b cd (b1), (2) DSA-50PFA-24 b cd (b2), (1) DSA-50PFA-12 b cd (b3), (2) DSA-50PFA-24 b cd (b4)

**Direct plug in adaptor**, Model(s) DSA-20P-05 US cd, where c can be 030 to 075, d can be 000 to 150., DSA-20P-10 US cd, where c can be 080 to 094, d can be 000 to 150, DSA-20P-10 US cd, where c can be 095 to 140, d can be 000 to 204, DSA-20P-20 US cd, where c can be 180 to 240, d can be 000 to 204, DSA-30PF-12x, where x = A or blank, DSA-5R-05 FUS xxxxyy

**Direct Plug In Adaptor**, Model(s) DSA-9R-a AUS yz, where a = 03, 05, 12; y, z = 3 digits, 0-9 or A-Z

**Direct plug in adaptor**, Model(s) DSC-51F-52P US, DSC-51FL-52P US, HSWF-1200400C

**Direct Plug In Switching Adaptor**, Model(s) DSA-12G-12 AUS 120y(y), DSA-12G-12 FUS 120y(y), DSA-20CA-12 de (b5), DSA-20P-aFxx 1 z(e), DSA-30WN-05 US yz, DSA-30WN-12 US yz

**Direct plug in Switching Adaptor**, Model(s) DSA-12CA-a de (v), DSA-24CA-a de(w), DSC-5CU-05 de(S), DSC-5PFC-05 bc de (K)

**Direct plug in Switching Adaptor, 2 pins**, Model(s) DSA-9PFB-09 bc de (b=A, B or F; c=UI or US or JP; d=090-120; e=001-100)

**Direct plug-in AC/DC Adapters**, Model(s) DSA-0201F-12

**Direct plug-in AC/DC adapters**, Model(s) DV-0555R-1, DV-095930, DV-0555R

**Direct plug-in AC/DC adapters**, Model(s) DVS-xAyFUSz, where x can be 050 to 080, y can be 00 to 28, z can be N or blank.

**Direct plug-in AC/DC adapters**, Model(s) DVS-xAyFUSz, where x can be 081 to 110, y can be 00 to 20, z can be N or blank.

**Direct plug-in AC/DC adapters**, Model(s) DVS-xAyFUSz, where x can be 111 to 140, y can be 00 to 16, z can be N or blank.

**Direct plug-in AC/DC adapters**, Model(s) DVS-xAyFUSz, where x can be 141 to 180, y can be 00 to 14, z can be N or blank.

**Direct plug-in power adaptor**, Model(s) DSC-51FL ab (#)

**Direct plug-in power supplies**, Model(s) AAA00131-E-3, AD-071, AD-A95100UI, DSA-0031F-05, DSA-0051-03C zJP@, DSA-0051-yyC zUS@, DSA-0051-yyCC zUS@, DSA-0051F-033, DSA-006-03A, DSA-006F-03A, DSA-006X-YYA, DSA-009X-YYA, DSA-0121-XXA, DSA-0121F-XX, DSA-0126A, DSA-0126F, DSA-0151A-XX, DSA-0151F-40, DSA-0151F-X, DSA-0161F-09A, DSA-

## 6.SAFETY LICENSE(UL/CUL)

-- 7/ 33

0186A, DSA-0186F, DSA-0301W-12

**Direct plug-in power supplies**, Model(s) DSA-12W-05 AUSx yyy zz, where x can be 1 or blank, yyy can be 040 to 060, zz can be 00 to 10., DSA-12W-05 FUS, DSA-12W-10 FUS, DSA-12W-15 FUS, DSA-12W-20 FUS, DSA-151M2-03, DSA-151M2-05, DSA-31AUS, DSA31SAUS, DSA-31FUS, DSA-31SFUS, DSA-S15-03, DSA-S15-05, DSx-0051-yy zUS @, DV-0550R, DV-062AX, DV-0935-1, DV-0935S-1, DV-0970R, DV-1270R, DV-1280-3, DV-1280-3G, DV-751A, DV-751A5, DV-752AX, DV-91A, DV-9210-1, DV-XXXX-B11, DV-XXXXAC-B11, DVR-3508, DVR-3512, DVR-4109, DVR-4114, DVR-4814, DVR-4818, DVR-530, DVR-5716, DVR-5720, DVR-5725, DVR-B11

**Direct plug-in power supplies**, Model(s) DVS-xyAzaUSC, where x can be 03 to 06, yz can be 00 to 30, a can be F or blank.

**Direct plug-in power supplies**, Model(s) DVS-xyAzaUSC, where x can be 07 to 10, yz can be 00 to 18, a can be F or blank.

**Direct plug-in power supplies**, Model(s) DVS-xyAzaUSC, where x can be 11 to 14, yz can be 00 to 11, a can be F or blank.

**Direct plug-in power supplies**, Model(s) DVS-xyAzaUSC, where x can be 15 to 18, yz can be 00 to 09, a can be F or blank., EI-3508, EI-3512, EI-4114, MJ-0506, MPA-020-09AJ

**Direct Plug-In Power Supply Adapter**, Model(s) DSC-5PNx-05 US ab, DSC-5PNx-05 ab, DSC-5PNx-05 JP ab, where x can be L or blank; a and b can be 3 digits), DVR-07520-3508, DVR-XXXX-3508 Series (=)

**Direct Plug-in Switching Adapter**, Model(s) CY-ZAC50U

**Direct Plug-in Switching Adapter**, Model(s) DSA-10P-ab cd, where ab can be 03, 05, 07 or 12; c can be 3 digits; d can be 3 digits., DSA-12W-05FUS1050xx, DSA-12W-05FUS1051xx, DSA-12W-05FUS1052xx

**Direct Plug-in Switching Adapter**, Model(s) DSA-30W-05 US yz, DSA-30W-12 US yz, where y and z can be any 3 digit numbers, 0-9.

**Direct Plug-in Switching Adapter**, Model(s) DSA-5P-ab xUS c d, where ab can be 03, 05, 08 or 12; x can be F or A; c can be 3 digits; d can be 3 digits., DSA-5W-05 bUS yz (b), DSA-5W-12 bUS yz (b)

**Direct plug-in switching adapter**, Model(s) DSA-9W-05 FJP yz (c), DSA-9W-05 FUS yz (c), DSA-9W-09 FUS yz (c), DSA-9W-15 FUS yz (c), DSC-5P-01 L US bc, DSC-5P-01 LW US bc, DSC-5P-01 US bc, where b can be 40 to 65, c can be 000 to 100

**Direct Plug-in Switching Adapter**, Model(s) DVS-120A10AUSz, DVS-120A12AUSz

**Direct plug-in switching adapter**, Model(s) DVS-150A10AUSz

**Direct Plug-in Switching Adaptor**, Model(s) DSA-18W-a b1 cd(^)

**Direct Plug-In Switching Adaptor**, Model(s) DSA-20R-12FUS, DV-721-388 yz, DSA-20R-12FUSyz, DV-721-388yz

**Direct Plug-in Switching Power Adaptor**, Model(s) DSA-12R-12 AUS yzx(f1), DSA-20R-12 FUS yz(i)

**Direct plug-in switching power adaptor**, Model(s) DSC-5P-01L US bc

**Direct Plug-in Switching Power Adaptor**, Model(s) DV-721-388 yz(i), HSWF-1201000C, HSWF-1201500C, HSWF-1200500C, HSWF-1202000C, HSWF-1202500C

**Linear direct plug-in power supplies**, Model(s) DV-1250AC-01

**Linear power supplies**, Model(s) DV-121A6ACD, DV-1351AD, MJ-8552US

**Power adapters**, Model(s) A1F2BN/OZP, DSA-04215-03 Y zz (Y may be 1, 2, or 3, z can be 0-9, A-Z or blank), DSA-04215-05 Y zz (Y may be 1, 2, or 3, z can be 0-9, A-Z or blank), DSA-04215-07 Y zz (Y may be 1, 2, or 3, z can be 0-9, A-Z or blank), DSA-04215-09 Y zz (Y may be 1, 2, or 3, z can be 0-9, A-Z or blank), DSA-04215-12 Y zz (Y may be 1, 2, or 3, z can be 0-9, A-Z or blank), DSA-04215-14 Y zz (Y may be 1, 2, or 3, z can be 0-9, A-Z or blank), DSA-04215-20 Y zz (Y may be 1, 2, or 3, z can be 0-9, A-Z or blank), DSA-04215-24 Y zz (Y may be 1, 2, or 3, z can be 0-9, A-Z or blank), DSA-04215-28 Y zz (Y may be 1, 2, or 3, z can be 0-9, A-Z or blank), DSA-04215-40 Y zz (Y may be 1, 2, or 3, z can be 0-9, A-Z or blank), DSA-04215-48 Y zz (Y may be 1, 2, or 3, z can be 0-9, A-Z or blank), DSA-04215-50 Y zz (Y may be 1, 2, or 3, z can be 0-9, A-Z or blank)

**Power adaptors**, Model(s) DV-0980S-B20

**Power supplies**, Model(s) DSA-0121D-03, DSA-0151AD-06, DSA-0151D-05, DSA-0151D-06, DSA-0151D-09, DSA-0151D-09.5, DSA-0481-12, DSA-0481-12HA, DSA-0501-12, DSA-1001, DSA-1001-13, DSA-1001-24, DSA-1301-20

## 6.SAFETY LICENSE(UL/CUL)

--8 / 33

**Switching Adapter**, Model(s) DSA-12GX-a bc de (aa)

**Switching Adapter**, Model(s) DSA-20PFE-a bc de (a=05, 12, 15; b=A or B or F; c=UJ or US or JP; d=050-180; e=001-300 )

**Switching Adapter**, Model(s) DSA-20R-12 bc de (a=05, 12, 15; b=A or B or F; c=UJ or US or JP; d=050-180; e=001-300 )

**Switching Adapter**, Model(s) DSA-24PFD-15 bc xy (b=A or B or F, c= UJ,US, JP ; x=120-150; y=001-200 ); b=A or B input voltage: 100-120Vac; b=F input voltage: 100-240Vac x= Output voltage :120-150 (120=12Vdc, 150=15Vdc); y= Output current : 001-200 (001=10 mA, 200=2.0A), DSA-26PFA-15 FUS xy (m), DSA-40CA-a bc (o), DSA-40D-a 2 cd (a1), DSA-40D-a 3 cd (a1), DSA-42D-a b cd(r1), DSA-42D-a b cd(r2), DSA-60PFB-24 b cd (+), DSA-60PFB-24 b cd (~)

**Switching Adapter**, Model(s) DSA-60W-12 1, DSA-60W-12 3, DSA-60W-16 1, DSA-60W-16 3, DSA-60W-20 1, DSA-60W-20 3, DSA-60W-12 2, DSA-60W-16 2, DSA-60W-20 2, DSC-3PFB-05 bc de (j), DSC-5CA-05 bc (b=050 - 075, c=001 - 100), DSC-5PFB-05 bc de (n)

**Switching Adaptor**, Model(s) DSA-10CU-05 bc(f), DSA-12PFA-a bc de (f3), DSA-12RN-12 AUS 120z(s), DSA-15CA-12 b yz(h)

**Switching Adaptor**, Model(s) DSA-20D-a b yz, (a=05,12 or 20; b= 1 or 3 ; yz= 3 digit numbers of any of 0-9), DSA-20D-a b yz, (a=05,12 or 20; b= 2; yz= 3 digit numbers of any of 0-9), DSA-20P-a Fxx z(e), DSA-21F-05-01 US, DSA-30PFA-a bc de (l), DSA-30PFA-a bc de (p), DSA-36W-12 X YY, DSA-36W-12 xx, DSA-3RNA-05 Fc de (z), DSA-50W-12 2 120b(g2), DSA-50W-12 a 120b(g1), DSA-51z-05 xy (z= U or C, x=050 and y=001-100), DSA-55W-12 3 xx(%), DSA-60PFB-12 b cd (q1), DSA-60PFB-12 b cd (q2), DSA-65W-2 xxyy(%), DSA-65W-3 xxyy(%), DSA-6G-05 FUS xy (f2)

**Switching Adaptor**, Model(s) DSA-90W-ab c xxxyy, where ab can be 12 or 24; c can be 1, 2 or 3; xxx can be 120 to 240; yy can be 00 to 90.

**Switching adaptor**, Model(s) DSC-31F US52050, DSC-31FLUS52050

**Switching Adaptor**, Model(s) DSC-6PFA-05 Fc de(k1), DSC-6PFA-12 Fc de(k2), HSWF-1202000I, HSWF-1202500I, HSWF-1203000I

**Switching adaptors**, Model(s) DSC-5WU-05 xUS cccddd(d)

**Switching charger**, Model(s) DSC-0051-03C, M120201

**Switching Power Adaptor**, Model(s) 5-2791, 5-2792, DSA-15P-a US yz, DSA-15PR-a US yz, DSA-15PR-a UJ yz

**Switching power adaptors**, Model(s) DSA-0601S-12 1, DSA-0601S-12 2, DSA-0601S-12 3, DSA-0601S-19 1, DSA-0601S-19 2, DSA-0601S-19 3

**Switching power adaptors**, Model(s) DSA-36W-16 a, where a = output power (output max. 36W, 15-18Vdc, max. 2.4 A), HSWF-1205000I or HSWF-1204000I

**Switching Power Supply**, Model(s) DSA-20PL-10 US cd (c = 095-140, d = 000-204), DSA-6E-a b yz (a = 05 or 12, b = US or JP, y and z = any 3 digits)

**Switching power supply**, Model(s) DSC-51F ab (a)

(#) - Where "a" may be 40 to 60, and "b" may be 001 to 100.

(\$) - Where "z" can be any numbers between 001-120

(%) - Where x, y can be any alphanumeric charter or blank.

(+) - (b=1 or 3; c=190-240, d=001 to 316)

(=) - Where X can be any alphanumeric charter or blank.

(a) - Where "a " may be 40 to 60, and "b" may be 001 to 100.

(a1) - Where a = 12 or 19; c=120 to 160 or 161 to 200; d=001 to 300 or 001 to 248

(b) - (b=A or F, y and z can be any 3 digit numbers(0-9) or blank)

(b1) - (b=1 or 3, c=120-150 for output voltage, d=001-416 for output current)

## **6.SAFETY LICENSE(UL/CUL)**

--9 / 33

- (b2) - (b=1 or 3, c=240 for output voltage, d=001-209 for output current)
- (b3) - (b=2, c=120-150 for output voltage, d=001-416 for output current)
- (b4) - (b=2, c=240 for output voltage, d=001-209 for output current)
- (b5) - where d = 090 ~ 120 for output voltage (090 = 9Vdc; 120 = 12Vdc); e = 001 ~ 200 for output current (001 = 0.01A; 200 = 2A)
- (c) - Where y and z can be any 3 digit numbers, 0-9.
- (d) - Where x can be A or F; ccc can be any number 045 to 081; ddd can be any number 062 to 100.
- (e) - Where a=01-05, x=A or Z for marking purpose, z=001-195.
- (f) - b=050; c=001-200
- (f1) - Where y can be any numbers between 090 - 120; z can be any numbers between 001 - 120; x can be S or blank.
- (f2) - Where x and y can be three-digit numbers.
- (f3) - a may be 03, 05, 09 or 15; b may be F; c may be US; d may be 033 to 080 and 090 to 150; e may be 001 to 200.
- (g1) - Where a=1, 3 ; b=000 to 500
- (g2) - Where b=000 to 500
- (h) - Where b=AA to ZZ or blank, y=090-120, z=001-150
- (i) - where y and z = 3 digit number which can be 0-9 or blank
- (j) - b = A, B or F; c = UJ, US or JP; d = three-digit number from 030 to 055; e = three-digit number from 001 to 070
- (K) - (b=A, B or F; c=UJ or US or JP; d=050-075; e=001-100) b= A or B for input voltage: 100-120 Vac, b= F for input voltage: 100-240 Vac; d= Output voltage: 050-075 (050=5Vdc, 075=7.5Vdc); e= Output current: 001-100 (001=10mA, 100=1.0A)
- (k1) - Where c=US, UJ or JP; d=050 to 075; e=001 to 100.
- (k2) - Where c=US, UJ or JP; d=080 to 120; e=001 to 075.
- (l) - Where a=15 or 19 ,b=A or B or F; c=UJ or US or JP; d=120-160 or 180-200; e=001-220 or 001-169
- (m) - x = 120; y = 001 to 210
- (n) - b=F or A, c=UJ or US, d=042-050, e=001-100
- (o) - Where a = 12, 19; b = 120 - 160 or 161 - 200, c = 001 - 300 or 001 - 248
- (p) - Where a=15 or 19, b=A or B or F or blank; c=UJ or US or JP; d=120-160 or 180-200; e=001-220 or 001-169
- (q1) - where b=1 or 3; c=001-120, d=001 to 500
- (q2) - where b=2; c=001-120, d=001 to 500
- (r1) - Where a = 09,12, 19, 24, 48; b=1 or 3; c=75 to 100, or 120 to 150, or 160 to 200, or 201 to 240, or 480 to 500; d=001 to 480, or 001 to 350, or 001 to 263, or 001 to 209, or 001 to 100
- (r2) - Where a = 09,12, 19, 24, 48; b=2; c=75 to 100, or 120 to 150, or 160 to 200, or 201 to 240, or 480 to 500; d=001 to 480, or 001 to 350, or 001 to 263, or 001 to 209, or 001 to 100
- (S) - d=050-075; e=001-100, d= Output voltage: 050-075 (050=5Vdc, 075=7.5Vdc); e= Output current: 001-100 (001=10mA, 100=1.0A)

## 6.SAFETY LICENSE(UL/CUL)

-- 10 / 33

(v) - (a=05 or 12) (d=050-120) (e=001-200)

(w) - where a = 05 or 12 for output voltage range; d = 050 ~ 160 for output voltage (050 = 5Vdc; 160 = 16Vdc); e = 001 ~ 400 for output current (001 = 0.01A; 400 = 4A)

(y) - Where y=001 to 120.

(z) - c = US or UJ, d and e = any 3 digits

(~) - (b=2; c=190-240, d=001 to 316)

@ - Where x may A or R; yy may 03, 05, 07, 12; z may be A or F denoting rated voltage range, F for 100-240V, A for 100-120V.

a UJ yz - Where a can be "05", y can be any number between 050-075, z can be any number between 001-130; or where a can be "12", y can be any number between 090-135, z can be any number between 001-150 or where a can be "15", y can be any number between 136-166, z can be any number between 001-150; or when a = "24"; y = 240; z can be any numbers between 001-120 to denote output power in Watt by 1 decimal place.

a US yz - Where a can be "05", y can be any number between 050-075, z can be any number between 001-130; or where a can be "12", y can be any number between 090-135, z can be any number between 001-150 or where a can be "15", y can be any number between 136-166, z can be any number between 001-150; or when a = "24"; y = 240; z can be any numbers between 001-120 to denote output power in Watt by 1 decimal place.

aa - (a=09, 12, 15; b=F or A, c=UJ or US, d=090-180, e=001-120)

AUS yz - Where y can be any numbers between 090 - 120; z can be any numbers between 001 - 120.

FUS xxxyyy - Where xxx can be any numbers between 042 - 090; yyy can be any numbers between 050 - 080.

^ - a=12, b=US, JP, c=3 digit number for output voltage, d=3 digit number for power

Last Updated on 2010-09-29

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**6.SAFETY LICENSE(FCC)**

-- 11 / 33

*Verification of Compliance*

We, **SPECTRUM RESEARCH & TESTING LABORATORY, INC.**, Herewith confirm that one sample of the following product:

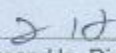
**Product** : Switching Adapter  
DSA-42D-a b cd  
"a" can be 09, 12 or 19 or 24 or 48

**Model No.** : "b" can be 1, 3 or 2 which represents the inlet type 1 = 3pin (C14); 3 = 3pin (C6) ; 2=2pin (C8)  
"c" is 3 digit number which represents the output voltage  
"d" is 3 digit number which represents the output current

**Applicant** : Dee Van Enterprise Co., Ltd.  
No. 5 Pao-Kao Road, Hsin-Tien  
Taipei (231) Taiwan, R.O.C.

has been tested at our laboratory with positive results. The test records were represented in reference No. : **A10031603** according to the following standards:

**FCC** : 47 CFR Part 15, Subpart B, Class B  
ANSI C63.4:2003

  
Johnson Ho, Director  
Issued Date: Mar. 19, 2010

**SRT LAB** **SPECTRUM RESEARCH & TESTING LAB., INC.**  
Head Office: No. 101-10, Ling 8, Shan-Tong Li, Chungli City, Taoyuan, Taiwan R.O.C.  
TEL:(03)498-7684 FAX:(03)498-8194 <http://www.srtlab.com> e-mail: [service@srtlab.com](mailto:service@srtlab.com)





**6. SAFETY LICENSE(TUV-GS)**

-- 12 / 33

<b>Zertifikat</b>		<b>Certificate</b>			
Zertifikat Nr. <i>Certificate No.</i> S1 50177320		Blatt <i>Page</i> 0001			
<i>Ihr Zeichen Client Reference</i> X.R.Z.		<i>Unser Zeichen Our Reference</i> 05-RX- 16021987 001		<i>Längstens gültig bis Latest expiration date (day/mo/yr)</i> 31.03.2015	
<i>Genehmigungsinhaber License Holder</i> Dee Van Enterprise Co., Ltd. No. 5, Pao-Kao Road Hsin Tien, Taipei 231 Taiwan			<i>Fertigungsstätte Manufacturing Plant</i> Dee Van Electronics (Longchuan) Co., Ltd. Meichun Industrial District Longchuan Country Heyuan, Guangdong 517300 P.R. China		
<i>Prüfzeichen Test Mark</i>		<i>Geprüft nach Tested acc. to</i> EN 60950-1:2006+A11 ZEK 01.2-08/12.08			
					
<small>Der Anhang I der Richtlinie 2006/95/EG ist eingehalten. Das Zertifikat kann im Rahmen der Konformitätserklärung nach Anhang III verwendet werden. Annex I of the directive 2006/95/EC is complied with. The certificate can be used in connection with the EC declaration of conformity acc. to Annex III.</small>					
<i>Zertifiziertes Produkt (Geräteidentifikation)</i> <i>Certified Product (Product Identification)</i>				<i>Lizenzentgelte - Einheit</i> <i>License Fee - Unit</i>	
<b>Netzgerät (Switching Adapter)</b>					
Serienbezeichnung : DSA-42D-a b cd (Series Type Designation)				15	
a = 12, 19, 24, 48; b = 1, 3; c = Dreistellige Zahl, welche die die Ausgangsspannung in Volt angibt, nach Teilung der Zahl durch 10. (Are 3 numerical digits, which represent the output voltage in Volt after dividing the number by 10)					
d = Dreistellige Zahl, welche die den Ausgangsstrom in A angibt, nach Teilung der Zahl durch 100. (Are 3 numerical digits, which represent the output current in A after dividing the number by 100)					
Nenneingangswerte (Rated Input) : AC 100-240V; 50/60Hz; 1,2A					
Schutzklasse (Protection Class) : I					
Umgebungstemperatur (Ambient Temperature) : 50°C					
Geprüfte Ausgangswerte siehe Blatt 0002 (Tested Output Values see page 0002)					
ANLAGE (Appendix) : 1				15	
<small>Dies Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde. Produkt und Fertigungsstätte erfüllen § 4 (1) bzw. (2) und § 7(1) des Geräte- und Produktsicherheitsgesetzes. This certificate is based on our Testing and Certification Regulation. Product and production fulfill par 4 Art. 1 or Art. 2 and Par 7 Art. 1 of the German Equipment and Product Safety Law.</small>					
TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg Tel.: (+49/221)8 06 - 13 71 e-mail: cert-validity@de.tuv.com Fax: (+49/221)8 06 - 39 35 http://www.tuv.com/safety				<i>Zertifizierungsstelle</i>	
					
				Dipl.-Ing. (FH) T. Zimmer	
<i>Ausstellungsdatum Date of Issue</i> : 01.04.2010 (day/mo/yr)					

**6. SAFETY LICENSE(TUV-GS)**

-- 13 / 33

<b>Zertifikat</b>		<b>Certificate</b>			
Zertifikat Nr. <i>Certificate No.</i>		Blatt <i>Page</i>			
S1 50177320		0002			
Ihr Zeichen <i>Client Reference</i>		Unser Zeichen <i>Our Reference</i>		Längstens gültig bis <i>Latest expiration date</i> (day/mo/yr)	
X.R.Z.		05-RX- 16021987 001		31.03.2015	
Genehmigungsinhaber <i>License Holder</i>			Fertigungsstätte <i>Manufacturing Plant</i>		
Dee Van Enterprise Co., Ltd. No. 5, Pao-Kao Road Hsin Tien, Taipei 231 Taiwan			Dee Van Electronics (Longchuan) Co., Ltd. Meichun Industrial District Longchuan Country Heyuan, Guangdong 517300 P.R. China		
Prüfzeichen <i>Test Mark</i>		Geprüft nach <i>Tested acc. to</i>			
		EN 60950-1:2006+A11 ZEK 01.2-08/12.08			
Der Anhang I der Richtlinie 2006/95/EG ist eingehalten. Das Zertifikat kann im Rahmen der Konformitätserklärung nach Anhang III verwendet werden. <i>Annex I of the directive 2006/95/EC is complied with. The certificate can be used in connection with the EC declaration of conformity acc. to Annex III.</i>					
Zertifiziertes Produkt (Geräteidentifikation) <i>Certified Product (Product Identification)</i>			Lizenzentgelte - Einheit <i>License Fee - Unit</i>		
Netzgerät (Switching Adapter)					
wie Blatt (as page) 0001					
Fortsetzung (Continuation)					
	Ausgangsspannung (Output Voltage)	Ausgangsstrom (Output Current)	Ausgangsleistung (Output Power)		
a = 12	DC 12,0 - 15,0V	3,50A max.	42,0W max.		
a = 19	DC 16,0 - 20,0V	2,63A max.	42,0W max.		
a = 24	DC 20,1 - 24,0V	2,09A max.	42,0W max.		
a = 48	DC 48,0 - 50,0V	1,00A max.	48,0W max.		
Fortsetzung auf Blatt (Continued on page) 0003					
				Zertifizierungsstelle	
Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde. Produkt und Fertigungsstätte erfüllen § 4 (1) bzw. (2) und § 7(1) des Geräte- und Produktsicherheitsgesetzes. <i>This certificate is based on our Testing and Certification Regulation. Product and production fulfill par 4 Art. 1 or Art. 2 and Par 7 Art. 1 of the German Equipment and Product Safety Law.</i>					
TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg Tel.: (+49/221)8 06 - 13 71 e-mail: cert-validity@de.tuv.com Fax: (+49/221)8 06 - 39 35 http://www.tuv.com/safety				Dipl.-Ing. (FH) T. Zimmer	
Ausstellungsdatum <i>Date of Issue</i> : 01.04.2010 (day/mo/yr)					







**6. SAFETY LICENSE(TUV-GS)**

-- 14 / 33

<b>Zertifikat</b>		<b>Certificate</b>			
Zertifikat Nr. <i>Certificate No.</i> S1 50177320		Blatt <i>Page</i> 0003			
Ihr Zeichen <i>Client Reference</i> X.R.Z.	Unser Zeichen <i>Our Reference</i> 05-RX- 16021987 001	Längstens gültig bis <i>Latest expiration date</i> 31.03.2015			
Genehmigungsinhaber <i>License Holder</i> Dee Van Enterprise Co., Ltd. No. 5, Pao-Kao Road Hsin Tien, Taipei 231 Taiwan		Fertigungsstätte <i>Manufacturing Plant</i> Dee Van Electronics (Longchuan) Co., Ltd. Meichun Industrial District Longchuan Country Heyuan, Guangdong 517300 P.R. China			
Prüfzeichen <i>Test Mark</i> 		Geprüft nach <i>Tested acc. to</i> EN 60950-1:2006+A11 ZEK 01.2-08/12.08			
Der Anhang I der Richtlinie 2006/95/EG ist eingehalten. Das Zertifikat kann im Rahmen der Konformitätserklärung nach Anhang III verwendet werden. <i>Annex I of the directive 2006/95/EC is complied with. The certificate can be used in connection with the EC declaration of conformity acc. to Annex III.</i>					
Zertifiziertes Produkt (Geräteidentifikation) <i>Certified Product (Product Identification)</i>		Lizenzentgelte - Einheit <i>License Fee - Unit</i>			
<u>Netzgerät</u> (Switching Adapter)					
wie Blatt (as page) 0001					
Vermerk: Ausgangsspannung und -strom haben Werte mit der Schrittweite 0,1V bzw. 0,01A. Nach Multiplikation beider Werte sind Modellbezeichnungen limitiert durch die max. Ausgangsleistung. Dieses Netzgerät ist geprüft und erfüllt die Anforderungen nach Abschnitt 2.5 der angewendeten Norm als Stromquelle mit begrenzter Leistung. (Remark: Output voltage and current have values in steps of 0,1V resp. 0,01A. By multiplication of both values the type designations are limited through the max. Output Power. The equipment is also tested and complies with sub-clause 2.5 of the applied standard as limited power source.)					
Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde. Produkt und Fertigungsstätte erfüllen § 4 (1) bzw. (2) und § 7(1) des Geräte- und Produktsicherheitsgesetzes. <i>This certificate is based on our Testing and Certification Regulation. Product and production fulfill par 4 Art. 1 or Art. 2 and Par 7 Art. 1 of the German Equipment and Product Safety Law.</i>					
TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg Tel.: (+49/221)8 06 - 13 71 e-mail: cert-validity@de.tuv.com Fax: (+49/221)8 06 - 39 35 http://www.tuv.com/safety		Zertifizierungsstelle  Dipl.-Ing. (FH) T. Zimmer			
Ausstellungsdatum <i>Date of Issue</i> : 01.04.2010 (day/mo/yr)					





**6. SAFETY LICENSE(TUV-GS)**

-- 15 / 33

<b>Zertifikat</b>		<b>Certificate</b>			
Zertifikat Nr. <i>Certificate No.</i>	Blatt <i>Page</i>				
S1 50177320	0004				
<b>Ihr Zeichen <i>Client Reference</i></b>	<b>Unser Zeichen <i>Our Reference</i></b>	<b>Längstens gültig bis <i>Latest expiration date</i></b>			
X.R.Z.	05-RX- 16021987 001	31.03.2015			
<b>Genehmigungsinhaber <i>License Holder</i></b>		<b>Fertigungsstätte <i>Manufacturing Plant</i></b>			
Dee Van Enterprise Co., Ltd. No. 5, Pao-Kao Road Hsin Tien, Taipei 231 Taiwan		Dee Van Technology (Longchuan) Co., Ltd. Meichun Industrial District Longchuan Country Heyuan, Guangdong 517300 P.R. China			
<b>Prüfzeichen <i>Test Mark</i></b>		<b>Geprüft nach <i>Tested acc. to</i></b>			
		EN 60950-1:2006+A11 ZEK 01.2-08/12.08			
<small>Der Anhang I der Richtlinie 2006/95/EG ist eingehalten. Das Zertifikat kann im Rahmen der Konformitätserklärung nach Anhang III verwendet werden. Annex I of the directive 2006/95/EC is complied with. The certificate can be used in connection with the EC declaration of conformity acc. to Annex III.</small>					
<b>Zertifiziertes Produkt (Geräteidentifikation)</b>		<b>Lizenzentgelte - Einheit</b>			
<b>Certified Product (Product Identification)</b>		<b>License Fee - Unit</b>			
<b>Netzgerät (Switching Adapter)</b>					
wie Blatt (as page) 0001					
<b>Ergänzung (Addition)</b>					
<b>Fertigungsstätte (Factory)</b>		: siehe oben (see above)			
					
<small>Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde. Produkt- und Fertigungsstätte erfüllen § 4 (1) bzw. (2) und § 7(1) des Geräte- und Produktsicherheitsgesetzes. This certificate is based on our Testing and Certification Regulation. Product and production fulfill par 4 Art. 1 or Art. 2 and Par 7 Art. 1 of the German Equipment and Product Safety Law.</small>		<b>Zertifizierungsstelle</b>			
<b>TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg</b>					
Tel.: (+49/221)8 06 - 13 71 e-mail: cert-validity@de.tuv.com		<b>Dipl.-Ing. (FH) T. Zimmer</b>			
Fax: (+49/221)8 06 - 39 35 http://www.nrv.com/safety					
<b>Ausstellungsdatum <i>Date of Issue</i> : 01.04.2010 (day/mo/yr)</b>					





**6. SAFETY LICENSE(TUV-GS)**

-- 16 / 33

<b>Zertifikat</b>		<b>Certificate</b>			
Zertifikat Nr. <i>Certificate No.</i>	Blatt <i>Page</i>				
S1 50177320	0005				
Ihr Zeichen <i>Client Reference</i>	Unser Zeichen <i>Our Reference</i>	Längstens gültig bis <i>Latest expiration date</i>			
X.R.Z.	05-RX- 16021987 001	31.03.2015			
<b>Genehmigungsinhaber <i>License Holder</i></b>		<b>Fertigungsstätte <i>Manufacturing Plant</i></b>			
Dee Van Enterprise Co., Ltd. No. 5, Pao-Kao Road Hsin Tien, Taipei 231 Taiwan		Dee Van Electronics (Shenzhen) Co., Ltd. The 5th Industrial District Gongming, Bao An District Shenzhen, Guangdong 518106 P.R. China			
<b>Prüfzeichen <i>Test Mark</i></b>		<b>Geprüft nach <i>Tested acc. to</i></b>			
		EN 60950-1:2006+A11 ZEK 01.2-08/12.08			
Der Anhang I der Richtlinie 2006/95/EG ist eingehalten. Das Zertifikat kann im Rahmen der Konformitätserklärung nach Anhang III verwendet werden. <i>Annex I of the directive 2006/95/EC is complied with. The certificate can be used in connection with the EC declaration of conformity acc. to Annex III.</i>					
<b>Zertifiziertes Produkt (Geräteidentifikation)</b>		<b>Lizenzentgelte - Einheit</b>			
<b>Certified Product (Product Identification)</b>		<b>License Fee - Unit</b>			
<u>Netzgerät</u> (Switching Adapter)					
wie Blatt (as page) 0001					
Ergänzung (Addition)					
Fertigungsstätte (Factory) : siehe oben (see above)					
					
Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde. Produkt und Fertigungsstätte erfüllen § 4 (1) bzw. (2) und § 7(1) des Geräte- und Produktsicherheitsgesetzes. <i>This certificate is based on our Testing and Certification Regulation. Product and production fulfill par 4 Art. 1 or Art. 2 and Par 7 Art. 1 of the German Equipment and Product Safety Law.</i>		<b>Zertifizierungsstelle</b>			
TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg Tel.: (+49/221)8 06 - 13 71 e-mail: cert-validity@de.tuv.com Fax: (+49/221)8 06 - 39 35 http://www.tuv.com/safety					
Ausstellungsdatum <i>Date of Issue</i> : 01.04.2010 (day/mo/yr)		Dipl.-Ing. (FH) T. Zimmer			




**6. SAFETY LICENSE(TUV-GS)**

-- 17 / 33

<b>Zertifikat</b>		<b>Certificate</b>			
Zertifikat Nr. <i>Certificate No.</i>		Blatt <i>Page</i>		<b>TÜVRheinland</b>	
S1 50177320		0006			
<b>Ihr Zeichen <i>Client Reference</i></b>		<b>Unser Zeichen <i>Our Reference</i></b>		<b>Längstens gültig bis <i>Latest expiration date</i></b>	
X.R.Z.		05-RX- 16021987 001		31.03.2015 <i>(day/mo/yr)</i>	
<b>Genehmigungsinhaber <i>License Holder</i></b>			<b>Fertigungsstätte <i>Manufacturing Plant</i></b>		
Dee Van Enterprise Co., Ltd. No. 5, Pao-Kao Road Hsin Tien, Taipei 231 Taiwan			Dee Van Electronics (Jiashan) Co., Ltd. Sanqi Electronics Information Industry District Jiashan Economy Development Zone, Jiashan Town Jiaxing, Zhejiang 314100 P.R. China		
<b>Prüfzeichen <i>Test Mark</i></b>		<b>Geprüft nach <i>Tested acc. to</i></b>			
		EN 60950-1:2006+A11 ZEK 01.2-08/12.08			
<small>Der Anhang I der Richtlinie 2006/95/EG ist eingehalten. Das Zertifikat kann im Rahmen der Konformitätserklärung nach Anhang III verwendet werden. Annex I of the directive 2006/95/EC is complied with. The certificate can be used in connection with the EC declaration of conformity acc. to Annex III.</small>					
<b>Zertifiziertes Produkt (Geräteidentifikation)</b>			<b>Lizenzentgelte - Einheit</b>		
<b><i>Certified Product (Product Identification)</i></b>			<b><i>License Fee - Unit</i></b>		
<b>Netzgerät (Switching Adapter)</b>					
wie Blatt (as page) 0001					
<b>Ergänzung (Addition)</b>					
<b>Fertigungsstätte (Factory)</b> : siehe oben (see above)					
					
<small>Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde. Produkt und Fertigungsstätte erfüllen § 4 (1) bzw. (2) und § 7(1) des Geräte- und Produktsicherheitsgesetzes. This certificate is based on our Testing and Certification Regulation. Product and production fulfill par 4 Art. 1 or Art. 2 and Par 7 Art. 1 of the German Equipment and Product Safety Law.</small>			<b>Zertifizierungsstelle</b>		
<b>TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg</b>					
Tel.: (+49/221)8 06 - 13 71 e-mail: cert-validity@de.tuv.com			<b>Dipl.-Ing. (FH) T. Zimmer</b>		
Fax: (+49/221)8 06 - 39 35 http://www.tuv.com/safety					
<b>Ausstellungsdatum <i>Date of Issue</i> : 01.04.2010 (day/mo/yr)</b>					

**6. SAFETY LICENSE(TUV-GS)**

--18 / 33

<b>C E R T I F I C A T E</b>		 <b>TÜVRheinland</b>
of Conformity Low Voltage Directive 2006/95/EC		
Registration No.:	AN 50178097 0001	
Report No.:	16021987 001	
Holder:	Dee Van Enterprise Co., Ltd. No. 5, Pao-Kao Road Hsin Tien, Taipei 231 Taiwan	
Product:	<u>Power Supply</u> (Switching Adapter)	
Identification:	DSA-42D-a b c d For a detailed listing of the variables a, b, c, d refer to license SI 50177320 0001-0006. Serial No.: n.a. (Issued in conjunction with above TÜV Rheinland license)	
<p>This certificate of conformity is based on an evaluation of a sample of the above mentioned product. Technical Report and documentation are at the Licence Holder's disposal. This is to certify that the tested sample is in conformity with all revision of Annex I of Council Directive 2006/95/EC, in its latest amended version, referred to as the Low Voltage Directive. This certificate does not imply assessment of the series-production of the product and does not permit the use of a TÜV Rheinland mark of conformity. The holder of the certificate is authorized to use this certificate in connection with the EC declaration of conformity according to Annex III of the Directive.</p>		
		Certification Body
Date <u>01.04.2010</u>		 Dipl.-Ing. (FH) T. Zimmer
TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg		
CE The CE marking may be used if all relevant and effective EC Directives are complied with. CE		

**6.SAFETY LICENSE(CE)**

-- 19/ 33



NS Technology Co., Ltd.  
Chenwu Industrial Zone, Houjie Town,  
Dongguan City, Guangdong, China

Tel : 86-769-85935656  
Fax : 86-769-85991080  
Http : //www.nasco.cn

**Certificate of Compliance**

No. NSE-E10024464

The following products have been tested by us with the listed standards and found in compliance with the council EMC directive 2004/108/EC. It is demonstrative for the compliance with this EMC Directive.

**Applicant** : Dee Van Enterprise Co., Ltd.  
**Address** : No.5, Pao-Kao Road, Hsin-Tien, Taipei 231, Taiwan  
**Product** : Switching Power Adaptor  
**Trade Name** : DVE  
**Model No.** : DSA-42D-a b cd;  
a: output voltage range 12,19,24,48.  
b:1,2,3,  
Inlet type 1:IEC320-C14,3-Pin Big (class I)  
Inlet type 2:IEC320-C8,2-Pin Small (class II)  
Inlet type 3:IEC320-C6,3-Pin Small (class I)  
c:Output voltage: 3 digit number  
d:Output current: 3 digit number

Test Standards :	
EN 55022: 2006+A1: 2007 Class B	Information technology equipment - Radio disturbance characteristics - Limits and methods of measurement
EN 55013:2001+A1:2003+A2:2006	Radio disturbance characteristics - Limits and methods of measurement for sound and television broadcast receivers and associated equipment
EN 61000-3-2:2006	Electromagnetic compatibility (EMC) -- Part 3-2: Limits - Limits for harmonic current emissions (equipment input current up to and including 16 A per phase)
EN 61000-3-3:1995+A1:2001+A2:2005	Electromagnetic compatibility (EMC) -- Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection
EN 55024:1998+A1:2001+A2:2003	Information technology equipment - Immunity characteristics - Limits and methods of measurement
EN 55020:2007	Immunity characteristics - Limits and methods of measurement for sound and television broadcast receivers and associated equipment



Chris Du  
Manager

Date : Feb. 8, 2010

The statement is based on a single evaluation of one sample of above mentioned products. It does not imply an assessment of the whole production and does not permit the use of the test lab's logo.

**6.SAFETY LICENSE(T-LICENSE)**

-- 20 / 33

# Certificate



Certificate no. T 50178102 01

**License Holder:**  
Dee Van Enterprise Co., Ltd.  
No. 5, Pao-Kao Road  
Hsin Tien, Taipei 231  
Taiwan

**Manufacturing Plant:**  
Dee Van Electronics (Longchuan)  
Co., Ltd.  
Meichun Industrial District  
Longchuan Country  
Heyuan, Guangdong 517300  
P.R. China

Test report no.: RX 16021988 001      Client Reference: X.R.Z.  
Tested to:      EN 60950-1:2006+All  
                    BS EN 60950-1:2006

**Certified Product:** Switching Adapter      **License Fee - Units**

Series Type Designation : DSA-42D-a b cd      15  
a = 12, 19, 24, 48;  
b = 1, 3  
c = Are 3 numerical digits, which represent the output  
voltage in Volt after dividing the number by 10  
d = Are 3 numerical digits, which represent the output  
current in A after dividing the number by 100  
Rated Input : AC 100-240V; 50/60Hz; 1,2A  
Protection Class : I  
Ambient Temperature : 50°C  
Tested Output Values see page 02

Appendix: 1      15

Licensed Test mark:



TÜV Rheinland/CCIC (Qingdao) Co., Ltd.  
Signature





*Timmer*  
Dipl.-Ing. (FH) T. Zimmer



Date of Issue  
(day/mo/yr)  
01/04/2010

**6.SAFETY LICENSE(T-LICENSE)**

-- 21 / 33

<h1>Certificate</h1>			
Certificate no.		T 50178102 02	
<b>License Holder:</b> Dee Van Enterprise Co., Ltd. No. 5, Pao-Kao Road Hsin Tien, Taipei 231 Taiwan		<b>Manufacturing Plant:</b> Dee Van Electronics (Longchuan) Co., Ltd. Meichun Industrial District Longchuan Country Heyuan, Guangdong 517300 P.R. China	
Test report no.: RX 16021988 001		Client Reference: X.R.Z.	
Tested to: EN 60950-1:2006+A11 BS EN 60950-1:2006			
<b>Certified Product:</b> Switching Adapter		<b>License Fee - Units</b>	
as page 01 & Continuation			
	Output Voltage	Output Current	Output Power
a = 12	DC 12,0 - 15,0V	3,50A max.	42,0W max.
a = 19	DC 16,0 - 20,0V	2,63A max.	42,0W max.
a = 24	DC 20,1 - 24,0V	2,09A max.	42,0W max.
a = 48	DC 48,0 - 50,0V	1,00A max.	48,0W max.
Continued on page 03			
<b>Licensed Test mark:</b>		<b>TÜV Rheinland/CCIC (Qingdao) Co., Ltd.</b>	
 EN 60950-1 BS EN 60950-1		Signature	
		 Dipl.-Ing. (FH) T. Zimmer	
			
		Date of Issue (day/mo/yr) 01/04/2010	
TÜV Rheinland/CCIC (Qingdao) Co., Ltd., No.175 Zhuzhou Rd., Qingdao 266101, P.R.China Tel: +86-532-8578-1778, Fax: +86-532-8578-1079			



**6.SAFETY LICENSE(T-LICENSE)**

-- 22 / 33

# Certificate



Certificate no.

T 50178102 03

**License Holder:**  
Dee Van Enterprise Co., Ltd.  
No. 5, Pao-Kao Road  
Hsin Tien, Taipei 231  
Taiwan

**Manufacturing Plant:**  
Dee Van Electronics (Longchuan)  
Co., Ltd.  
Meichun Industrial District  
Longchuan Country  
Heyuan, Guangdong 517300  
P.R. China

Test report no.: RX 16021988 001

Client Reference: X.R.Z.

Tested to: EN 60950-1:2006+A11  
BS EN 60950-1:2006

Certified Product: Switching Adapter

License Fee - Units

as page 01

Remark: Output voltage and current have values in steps of 0,1V resp. 0,01A. By multiplication of both values the type designations are limited through the max. Output Power. The equipment is also tested and complies with sub-clause 2.5 of the applied standard as limited power source.

Licensed Test mark:



TÜV Rheinland/CCIC (Qingdao) Co., Ltd.  
Signature





*T. Zimmer*  
Dipl.-Ing. (FH) T. Zimmer



Date of Issue  
(day/mo/yr)  
01/04/2010

**6.SAFETY LICENSE(T-LICENSE)**

-- 23 / 33

<h1>Certificate</h1>		
Certificate no.	T 50178102 04	
<b>License Holder:</b> Dee Van Enterprise Co., Ltd. No. 5, Pao-Kao Road Hsin Tien, Taipei 231 Taiwan	<b>Manufacturing Plant:</b> Dee Van Technology (Longchuan) Co., Ltd. Meichun Industrial District Longchuan Country Heyuan, Guangdong 517300 P.R. China	
<b>Test report no.:</b> RX 16021988 001	<b>Client Reference:</b> X.R.Z.	
<b>Tested to:</b> EN 60950-1:2006+A11 BS EN 60950-1:2006		
<b>Certified Product:</b> Switching Adapter	<b>License Fee - Units</b>	
as page 01		
<b>Addition</b>		
<b>Factory</b> : see above		
<b>Licensed Test mark:</b>  EN 60950-1 BS EN 60950-1	<b>TÜV Rheinland/CCIC (Qingdao) Co., Ltd.</b> <b>Signature</b>  <b>Dipl.-Ing. (FH) T. Zimmer</b>	<b>Date of Issue</b> (day/mo/yr) 01/04/2010 
TÜV Rheinland/CCIC (Qingdao) Co., Ltd., No.175 Zhuzhou Rd., Qingdao 266101, P.R.China Tel: +86-532-8578-1778, Fax: +86-532-8578-1079		




**6.SAFETY LICENSE(T-LICENSE)**

-- 24 / 33

<h1>Certificate</h1>		
Certificate no. <span style="border: 1px solid black; padding: 2px;">T 50178102 05</span>		
<b>License Holder:</b> Dee Van Enterprise Co., Ltd. No. 5, Pao-Kao Road Hsin Tien, Taipei 231 Taiwan	<b>Manufacturing Plant:</b> Dee Van Electronics (Shenzhen) Co., Ltd. The 5th Industrial District Gongming, Bao An District Shenzhen, Guangdong 518106 P.R. China	
Test report no.: RX 16021988 001	Client Reference: X.R.Z.	
Tested to: EN 60950-1:2006+A11 BS EN 60950-1:2006		
<b>Certified Product:</b> Switching Adapter	<b>License Fee - Units</b>	
as page 01		
Addition		
Factory : see above		
<b>Licensed Test mark:</b>	<b>TÜV Rheinland/CCIC (Qingdao) Co., Ltd.</b> Signature 	<b>Date of Issue</b> (day/mo/yr) 01/04/2010
		
TÜV Rheinland/CCIC (Qingdao) Co., Ltd., No.175 Zhuzhou Rd., Qingdao 266101, P.R.China Tel: +86-532-8578-1778, Fax: +86-532-8578-1079		




**6.SAFETY LICENSE(T-LICENSE)**

-- 25 / 33

<h1>Certificate</h1>		 <b>TÜVRheinland</b> Group Asia
Certificate no.		T 50178102 06
License Holder: Dee Van Enterprise Co., Ltd. No. 5, Pao-Kao Road Hsin Tien, Taipei 231 Taiwan	Manufacturing Plant: Dee Van Electronics (Jiashan) Co., Ltd. Sanqi Electronics Information Industry District Jiashan Economy Development Zone, Jiashan Town Jiaxing, Zhejiang 314100 P.R. China	
Test report no.: RX 16021988 001	Client Reference: X.R.Z.	
Tested to: EN 60950-1:2006+A11 BS EN 60950-1:2006		
Certified Product: Switching Adapter	License Fee - Units	
as page 01		
Addition		
Factory : see above		
Licensed Test mark:	TÜV Rheinland/CCIC (Qingdao) Co., Ltd. Signature  Dipl.-Ing. (FH) T. Zimmer	Date of Issue (day/mo/yr) 01/04/2010
 EN 60950-1 BS EN 60950-1		
TÜV Rheinland/CCIC (Qingdao) Co., Ltd., No.175 Zhuzhou Rd., Qingdao 266101, P.R.China Tel: +86-532-8578-1778, Fax: +86-532-8578-1079		

**6.SAFETY LICENSE(T-LICENSE)**

-- 26 / 33

<b>C E R T I F I C A T E</b>		
of Conformity Low Voltage Directive 2006/95/EC		
Registration No.:	AN 50178105 0001	
Report No.:	16021988 001	
Holder:	Dee Van Enterprise Co., Ltd. No. 5, Pao-Kao Road Hsin Tien, Taipei 231 Taiwan	
Product:	<u>Power Supply</u> (Switching Adapter)	
Identification:	DSA-42D-a b cd  For a detailed listing of the variable a, b, c, d refer to license T 50178102 01-06.  Serial No. : n.a. (Issued in conjunction with above TÜV Rheinland license.)	
<p>This certificate of conformity is based on an evaluation of a sample of the above mentioned product. Technical Report and documentation are at the Licence Holder's disposal. This is to certify that the tested sample is in conformity with all revision of Annex I of Council Directive 2006/95/EC, in its latest amended version, referred to as the Low Voltage Directive. This certificate does not imply assessment of the series-production of the product and does not permit the use of a TÜV Rheinland mark of conformity. The holder of the certificate is authorized to use this certificate in connection with the EC declaration of conformity according to Annex III of the Directive.</p>		
		Certification Body
		
Qingdao, <u>01.04.2010</u>		Dipl.-Ing. (FH) T. Zimmer
		
TÜV Rheinland/CCIC (Qingdao) Co., Ltd. - Qingdao 266071 - P.R.China		
CE The CE marking may be used if all relevant and effective EC Directives are complied with. CE		

**6.SAFETY LICENSE(SAA)**

-- 27 / 33

Certificate Number: 100394/00



## CERTIFICATE OF APPROVAL

~~~~~

This is to certify that Energy Safe Victoria, Australia has, in accordance with the Electricity Safety (Equipment) Regulations 1999, approved the prescribed electrical equipment described hereunder, for which application for approval has been made by-

NAME & ADDRESS:           Dee Van Enterprise Co Ltd  
                                  5, Pao-Kao Road  
                                  Hsin - Tien Taipei  
                                  231 TAIWAN

Description – Power Supply or Charger, Power Supply  
Trade Name - DVE  
Cat No(s) - DSA-42D-a b cd

See following pages for ratings.

Accepted as complying to AS/NZS60950.1:2003+A1+A2+A3

Required Marking:           V100394

Unless withdrawn for any reason, this approval shall expire on 2015/8/19.

Electrical equipment covered by this approval must comply in all respects with the approved article, and prior to being supplied or offered for supply, must be clearly and indelibly marked with the required marking indicated above, or the Regulatory Compliance Mark (RCM) provided that the requirements of all relevant parts of AS/NZS 4417 applicable to the article are fulfilled.

Any modifications to the electrical equipment or its place of manufacture must be approved by Energy Safe Victoria prior to the equipment being supplied or offered for supply.

Notification must be given to Energy Safe Victoria of any change to the name or address of the holder of the certificate within 20 business days.

Under mutual recognition provisions this approval permits the abovementioned prescribed electrical equipment to be supplied or offered for supply in all States and Territories of Australia and New Zealand.







DATE OF APPROVAL: 2010/8/19   Page 2 of 3

**6.SAFETY LICENSE(SAA)**

-- 28 / 33

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                       |                                                                                                                                                                                                                                                                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Certificate Number: 100394/00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                       |                                                                                                                                                                                    |
| <b>Approval Details</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                       |                                                                                                                                                                                                                                                                       |
| Description: 'a' can be 09,12,19,24 or 48 which represents the output voltage range.<br>'b' can be 1 or 3, 1 represents the appliance inlet is C14 type and 3 represents the appliance inlet is C6 type.<br>'c' is 3 digit number which represents the output voltage in volt after dividing by 10 in step of 0.1V, for example,120 represents the output voltage is 12.0 V.<br>'d' is 3 digit number which represents the output current in Ampere in Ampere after dividing by 100 by step of 0.01A, for example, 350 represents the output current is 3.50A. |                                                                                                       |                                                                                                                                                                                                                                                                       |
| Model:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | DSA-42D-a b cd                                                                                        |                                                                                                                                                                                                                                                                       |
| Rated at:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Input: 100-240VAC , 1.2A, 50/60Hz<br>Output: 7.5-50V max, 38.0WMax or 42.0WMax or 48.0WMax, 0.01-4.8A |                                                                                                                                                                                                                                                                       |
| Trade Name:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | DVE                                                                                                   |                                                                                                                                                                                                                                                                       |
| DATE OF APPROVAL: 2010/8/19 Page 3 of 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                       | <br><br> |

**6.SAFETY LICENSE(C-TICK)**

-- 29 / 33

**Supplier's declaration of conformity**

For compliance levels 1, 2 and 3 in Australia

As required by notices under:

- section 182 of the Australian *Radiocommunications Act 1992*.



**Instructions for completion**

- This completed form remains with the supplier as part of the documentation required for the compliance records. Do not return this form to the ACMA.

**Supplier's details**

**Qualsure Consultants**

ACMA supplier code number **N136**

(AGENT)

of 18 Hood Street Rosedale Vic.

**Product details**

Product description – brand name, type, model, lot, batch or serial number (if available)

|              |                                                                                                                                          |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Brand Name   | <b>DVE</b>                                                                                                                               |
| Model Number | <b>DSA-42D-a b cd</b> (a = 09, 12, 19, 24, or 48; b = 1, 2 or 3; c = 3 digit number for o/p voltage; d = 3 digit number for o/p current) |
| Description  | <b>Switching Adapter</b>                                                                                                                 |

**Compliance with *Radiocommunications (Electromagnetic Compatibility) Standard 2008***

The above mentioned product complies with the requirements of the *Radiocommunications (Electromagnetic Compatibility) Standard 2008*. Evidence of compliance is demonstrated by test reports to the following applicable standards.

**Applicable standards**

Standard title, number and, if applicable, number of the test report

| Standard                    | Test Report Numbers                |
|-----------------------------|------------------------------------|
| <b>AS/NZS CISPR 22:2009</b> | <b>NSE-E10024464/NSE-E10044726</b> |
|                             |                                    |

**Declaration**

I hereby declare that the product mentioned above complies with the requirements of the *Radiocommunications (Electromagnetic Compatibility) Standard 2008*. All products supplied under this declaration will be identical to the product identified above.

Gordon Slimmon  
Director

5 Jul 10



## **6.SAFETY LICENSE(C-TICK)**

-- 30 / 33

**QUALSURE CONSULTANTS**  
PO Box 80 Rosedale Vic. 3847 Australia  
Phone +61 412 933497 Fax +61 3 5199 2544

6 July 2010

Ms Catharina Huang  
Dee Van Enterprise Co., Ltd.

Dear Ms Huang

### LETTER OF AUTHORISATION



This letter authorises Dee Van Enterprise Co., Ltd., to label the product(s) listed below, with the C-Tick compliance mark as shown above and supplier number N136, subject to the following conditions:

- a. The units supplied are identical to those held by and described in the compliance folder held by Qualsure Consultants.
- b. Qualsure Consultants assumes no responsibility in the retail supply, servicing or repair of the listed product.
- c. Any modification to the listed product(s) voids this authorisation.
- d. This authorisation pertains only to the product(s) listed.
- e. This authorisation is valid until 6 July 2015 or the standard shown on the declaration of compliance is rescinded whichever is the sooner.
- f. The product(s) listed, where necessary, hold and maintain an Australian electrical safety certificate.
- g. Dee Van Enterprise Co., Ltd. takes responsibility and agrees to meet all costs in any action relating from a breach of the conditions of this authorisation.
- h. Dee Van Enterprise Co., Ltd. agrees to supply to Qualsure Consultants the names and addresses of all Australian importers if required by the relevant Australian authority.
- i. Qualsure Consultants agrees to provide at no cost an agents' letter directly to the importers of this product when requested to do so.

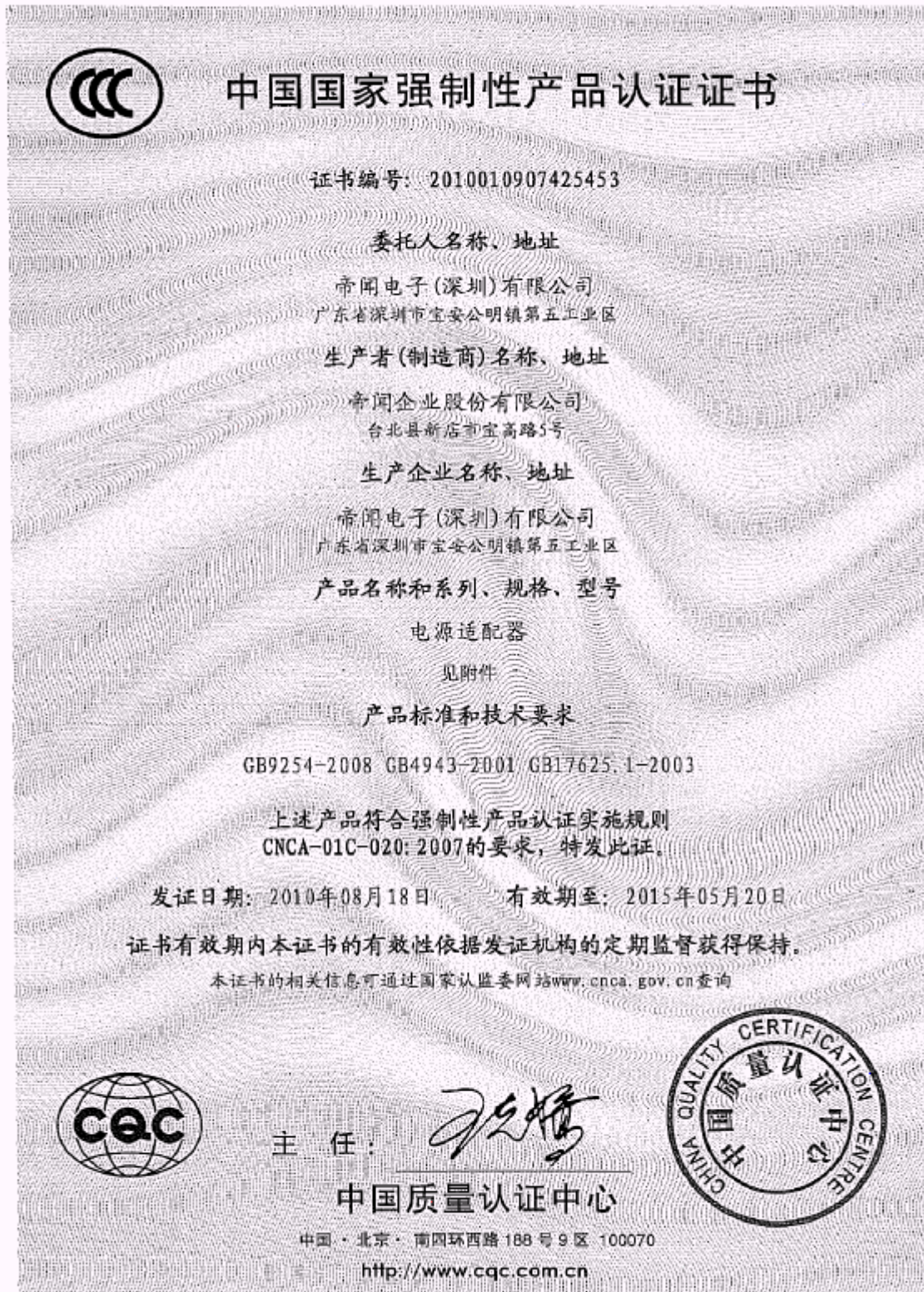
| <i>Product</i>           | <i>Trade Name</i> | <i>Model Number</i>                                                                                                                      |
|--------------------------|-------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Switching Adapter</b> | <b>DVE</b>        | <b>DSA-42D-a b cd</b> (a = 09, 12, 19, 24, or 48; b = 1, 2 or 3; c = 3 digit number for o/p voltage; d = 3 digit number for o/p current) |

The labelling and supply of the product with a C-Tick compliance label including the identifier N136 is agreement with the above conditions.

Gordon Slimmon.  
Director

6.SAFETY LICENSE(CCC)


-- 31 / 33



Q 0266729

**6.SAFETY LICENSE(CCC)**

-- 32 / 33

 **CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION**

No. : 2010010907425453

**NAME AND ADDRESS OF THE APPLICANT**  
DeeVan Electronics (shenzhen) Co., Ltd.  
5th. Industry district, GongMing town, BaoAn zone, shenzhen city, GuangDong  
China

**NAME AND ADDRESS OF THE MANUFACTURER**  
DeeVan Enterprise Co., Ltd.  
No. 5, Pao-Kao Road, Hish-Tien city, Taipei, Taiwan, China

**NAME AND ADDRESS OF THE FACTORY**  
DeeVan Electronics (shenzhen) Co., Ltd.  
5th. Industry district, GongMing town, BaoAn zone, shenzhen city, GuangDong  
China



**NAME, MODEL AND SPECIFICATION**  
Switching Adaptor  
see appendix


**THE STANDARDS AND TECHNICAL REQUIREMENTS FOR THE PRODUCTS**  
GB9254-2008 GB4943-2001 GB17625.1-2003

This is to certify that the above mentioned products have met the requirements of implementation rules for compulsory certification (REF NO. CNCA-01C-020:2007).

Date of issue: Aug. 18, 2010      Date of expiry: May. 20, 2015

Validity of this certificate is subject to positive result of the regular follow up inspection by issuing certification body until the expiry date.  
This certificate can be verified through CNCA's website: [www.cnca.gov.cn](http://www.cnca.gov.cn)

 President:   
Wang Kejiao  
**CHINA QUALITY CERTIFICATION CENTRE**  
Section 9, No. 188, Nansihuan Xilu, Beijing 100070 P.R. China  
<http://www.cqc.com.cn>



Q 0266729

6.SAFETY LICENSE(CCC)

-- 33 / 33



中国国家强制性产品认证证书

附录:

第 1 页 共 1 页

证书编号: 2010010907425453

纸号: 266729

型号: 本次申请产品为 DSA-42D-abcd 型电源适配器, a 取值为 09、12、19、24、48, 09 代表了 7.5-10.0VDC 范围内的输出电压, 12 代表了 12.0-15.0VDC 范围内的输出电压, 19 代表了 16.0-20.0VDC 范围内的输出电压, 24 代表了 20.1-24.0VDC 范围内的输出电压, 48 代表了 48.0-50.0VDC 范围内的输出电压; b 取值为 1、3, 代表产品为 I 类设备, 1 代表器具输入插座额定电流为 10A, 3 代表器具输入插座额定电流为 2.5A; c 为三位数, 是对 a 的详细说明, 当 a 为 09 时, c 取值为 075-100, 表示输出电压为 7.5-10.0VDC, 当 a 为 12 时, c 取值为 120-150, 表示输出电压为 12.0-15.0VDC, 当 a 为 19 时, c 取值为 160-200, 表示输出电压为 16.0-20.0VDC, 当 a 为 24 时, c 取值为 201-240, 表示输出电压为 20.1-24.0VDC, 当 a 为 48 时, c 取值为 480-500, 表示输出电压为 48.0-50.0VDC, 输出电压的变化步长为 0.1V; d 为三位数, 表示输出电流, 当 a 为 09 时, d 取值为 001-480, 表示输出电流为 0.01-4.80A, 当 a 为 12 时, d 取值为 001-360, 表示输出电流为 0.01-3.50A, 当 a 为 19 时, d 取值为 001-263, 表示输出电流为 0.01-2.63A, 当 a 为 24 时, d 取值为 001-209, 表示输出电流为 0.01-2.09A, 当 a 为 48 时, d 取值为 001-100, 表示输出电流为 0.01-1.00A, 输出电流的变化步长为 0.01A; 当 a 为 09 时, 输出功率为 0.1-38.0W, 当 a 为 12、19 时, 输出功率为 0.2-42.0W, 当 a 为 24 时, 输出功率为 0.3-42.0W, 当 a 为 48 时, 输出功率为 0.5-48.0W, 具体型号规格见下表, 产品各型号的主要差别在于型号命名不同、额定输出不同。

| 型号              | 输入                       | 输出电压 (VDC) | 输出电流 (A)  | 输出功率 (W) |
|-----------------|--------------------------|------------|-----------|----------|
| DSA-42D-09 b cd | 100-240V~, 50/60Hz, 1.2A | 7.5-10.0   | 0.01-4.80 | 0.1-38.0 |
| DSA-42D-12 b cd | 100-240V~, 50/60Hz, 1.2A | 12.0-15.0  | 0.01-3.50 | 0.2-42.0 |
| DSA-42D-19 b cd | 100-240V~, 50/60Hz, 1.2A | 16.0-20.0  | 0.01-2.63 | 0.2-42.0 |
| DSA-42D-24 b cd | 100-240V~, 50/60Hz, 1.2A | 20.1-24.0  | 0.01-2.09 | 0.3-42.0 |
| DSA-42D-48 b cd | 100-240V~, 50/60Hz, 1.2A | 48.0-50.0  | 0.01-1.00 | 0.5-48.0 |

注: 此附录与证书同时使用时有效。



主任:

*(Handwritten signature)*

中国质量认证中心

中国·北京·南四环西路 188 号 9 区 100070

<http://www.cqc.com.cn>



## 7. CHINA ROHS INSTRUCTIONS

-- 1 / 1

| 電子信息產品污染控制管理辦法(又名中國RoHS) |           |       |       |             |           |             |
|--------------------------|-----------|-------|-------|-------------|-----------|-------------|
| 部件名稱                     | 有毒有害物質或元素 |       |       |             |           |             |
|                          | 鉛(Pb)     | 汞(Hg) | 鎘(Cd) | 六價鉻(Cr(VI)) | 多溴聯苯(PBB) | 多溴二苯醚(PBDE) |
| 銅端子                      | X         | 0     | 0     | 0           | 0         | 0           |
| 銅片腳                      | X         | 0     | 0     | 0           | 0         | 0           |
| 封裝電路中的焊點                 | X         | 0     | 0     | 0           | 0         | 0           |
| 鋁合金                      | X         | 0     | 0     | 0           | 0         | 0           |
| 二/三极管中的焊點                | X         | 0     | 0     | 0           | 0         | 0           |

(O:表示該有毒有害物質在該部件所有均質材料中的含量均符合SJ/T 11363-2006標準規定的限量要求)  
 (X:表示該有毒有害物質在該部件中的某一均質材料中的含量超出SJ/T 11363-2006標準規定的限量要求)

The above table provides information required under the following Chinese legislation  
 Management methods for Controlling pollution by Electronic information products  
 (also known as China RoHS)

| Management methods for Controlling pollution by Electronic information products(also known as China RoHS) |                                               |    |    |        |     |      |
|-----------------------------------------------------------------------------------------------------------|-----------------------------------------------|----|----|--------|-----|------|
| parts name                                                                                                | Poisonous and hazardous materials or elements |    |    |        |     |      |
|                                                                                                           | Pb                                            | Hg | Cd | Cr(VI) | PBB | PBDE |
| Copper connector                                                                                          | X                                             | 0  | 0  | 0      | 0   | 0    |
| Copper pin                                                                                                | X                                             | 0  | 0  | 0      | 0   | 0    |
| Solder point on circuit                                                                                   | X                                             | 0  | 0  | 0      | 0   | 0    |
| Aluminum alloy                                                                                            | X                                             | 0  | 0  | 0      | 0   | 0    |
| Solder points on diode and tridoe                                                                         | X                                             | 0  | 0  | 0      | 0   | 0    |

(O:All homogenous substances contained the hazardous and poisonous contents in the parts must be within the limitation requirements of this criterion :SJ/T 11363-2006 )  
 (X:One certain homogenous substances contained the hazardous and poisonous contents in the parts was over the limitation requirements of this criterion :SJ/T 11363-2006 )

The above table provides information required under the following Chinese legislation  
 Management methods for Controlling pollution by Electronic information products  
 (also known as China RoHS)