CUSTOMER: L091

PART NUMBER:534-000647

APPROVAL SHEET

FOR

SWITCHING ADAPTER

MODEL NO.

DSA-12CA-12 120100

ORDER NO: SP-240769-S4 承認書確認后請簽回一份

CUSTOMER APPROVED SIGNATURE			

DEE VAN ENTERPRISE CO., LTD (Head-Quarter)

NO. 5, PAO-KAO RD, HSIN-TIEN, TAIPEI COUNTY, TAIWAN, R.O.C

TEL: +886–2–2917–7002 (12 LINES), FAX: +886–2–2915–4370, +886–2–2918–7244

DEE VAN ELECTRONICS (LONGCHUAN) CO.,LTD.

MEICHUN INDUSTRIAL DISTRICT LONGCHUAN COUNTRY HEYUAN GUANGDONG PR. CHINA.

TEL：0762-6778088 FAX：0762-6778099

CONTENT OF APPROVAL SHEET

APPROVAL BY	SAFETY	DIRECTOR	ENGINEER	PREPARED
	姚金萍 2015/07/23	龔麗君 2015/07/23	胡東明 2015/07/23	宋文霞 2015/07/21

0. REVISION CONTROL LIST

DATE	REVISION CONTROL ITEMS							
	CONTENT OF APPROVAL SHEET	SPECIFICA -TION	RATING LABEL DRAWING	DC OUTPUT CORD DRAWING	PRODUCT OUTLINE DRAWING	PACKING DRAWING	SAFETY LICENSE	CHINA ROHS INSTRUC -TIONS
2013.09.16	A	A	A	A	A	A	A	A
2015.04.30	B	A	B	A	A	A	B	A
2015.05.15	C	A	C	A	A	A	C	A
2015.07.16	D	A	D	A	A	A	D	A
2015.07.21	E	A	E	A	A	A	E	A

REVISION CHANGE DESCRIPTION

ITME	REV	DESCRIPTION
	B	Update label
	C	Update label
	D	Update label and safety license
	E	Update label

1. SPECIFICATION

0. REVISION CHANGE DESCRIPTION

Revision	Description	Date
A	Initial release	2013.09.16

1.GENERAL DESCRIPTION

This specification defines the input, output, performance characteristics, environment, noise and safety requirements for a 12 watts switching type power adapter.
The adapter input/output are full range AC input and +12V DC with 12 watts maximum output.

2.INPUT REQUIREMENT

2-1 AC INPUT VOLTAGE

MINIMUM	NOMINAL	MAXIMUM
90VAC	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 AC INPUT VOLTAGE	0.3 A maximum

2-4 AC INRUSH CURRENT

AT FULL LOAD, 25 DEGREE C, COLD START

NOMINAL AC INPUT VOLTAGE	No damage shall be occurred and the input fuse shall not be blown up.

2-5 CONFIGURATION

Wall-mount type, Conductors, < Live, Neutral >

2-6 POWER CONSUMPTION

115VAC/230VAC INPUT , power consumption less than 0.3W

1.SPECIFICATION

3.OUTPUT REQUIREMENT

3-1	DC OUTPUT VOLTAGE	+12 V
3-2	MINIMUM LOAD CURRENT	0 A
3-3	NOMINAL LOAD CURRENT	1A
3-4	NOMINAL OUTPUT POWER	12W
3-5	OUTPUT REGULATION	+/-5 %
3-6	LINE REGULATION	+/-2 %
3-7	RIPPLE AND NOISE	300mVp-p maximum
		At 20 MHz, and output parallel with 0.1uF & 10uF capacitors to ground Temperature at 25℃, and nominal input voltage
3-8	AVERAGE EFFICIENCY	77.76% minimum
		At 115VAC/230VAC input voltage and meet cec efficiency level: V
		ERP: 2009/125/EC
3-9	RISE TIME	100mS maximum at nominal input voltage
3-10	TURN-ON DELAY	3 Seconds maximum at nominal input voltage
3-11	PROTECTION	
	SHORT-CIRCUIT PROTECTION	Short circuit protection is to be included in the construction of the adaptor. The adaptor is designed to withstand continuous current of a short circuit on the output. The adaptor will be short circuit tolerant for an indefinite period.
	OVER-CURRENT PROTECTION	2A maximum with auto-recovery function
	OVER-VOLTAGE PROTECTION	18VDC maximum
3-12	REMARK	Unless otherwise specification output load Must set at CC mode.

4. MECHANICAL REQUIREMENT

4-1 DIMENSION

74.1 (L) * 46 (W) * 36(H) mm

4-2 WEIGHT

150 g maximum

4-3 INPUT PLUG TYPE

Wall-mount type, Conductors, < Live, Neutral >

4-4 OUTPUT CORD

WIRE: 20WG/1C+SH 1185, 3048mm

PLUG: JACK PLUG 4.0*1.7*12mm

1.SPECIFICATION -- 3 / 4

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	5 ~ 500 Hz	Normal functional test should be satisfied after the test
2.Sweep	2houre. For each axis (X, Y, Z)	
3.Acceleration	0.6G (5~50 Hz, peak - peak), 1.5G (50~500 Hz, peak - peak)	
4.Displacement	0.4 mm (5~50 Hz)	

6. SAFETY REQUIREMENT

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

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

6-2 LEAKAGE CURRENT

0.25mA maximum, at nominal AC input voltage and frequency

6-3 SAFETY STANDARD

Designed to meet UL/CUL (UL60950-1), TUV-GS (EN60950-1),
T-License(BSEN60950-1), SAA(AS/NZS60950),
KC-MARK(K60950), PSB,UKR, CCC(GB4943.1-2011),
IS13252(Part-1)2010, BSMI(CNS14336)

6-4 EMI STANDARD

Designed to meet FCC(PART 15 Class B), CE(EN55022),
GB9254, GB17625.1 ,RCM, BSMI(CNS13438)

1.SPECIFICATION -- 4 / 4

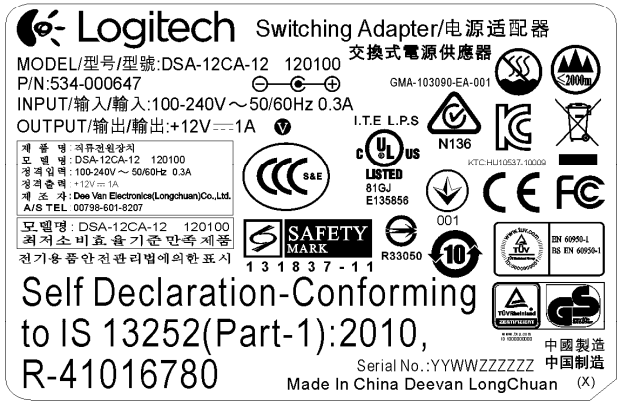
7. RELIABILITY

7-1 MEAN TIME BETWEEN FAILURE (MTBF)

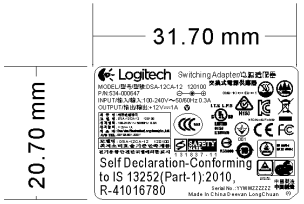
The power supply shall be designed and Prediction to have a mean time between failures (MTBF) of 50000 operating hours minimum andconditions:@115VAC/230VAC, full load, 0°C ~40°C, MTBF calculation meet Telcordia Technologies Special Report SR-332 (Issue 2).

2. RATING LABEL DRAWING

FROM NO.:1	COMPUTER NO. :			
REV	ZONE	DESCRPTION	DATE	BY
A			15/07/21	SUHD



3:1



1:1

數字字体爲Impact
數字高度与圓環內外
直徑之比爲5:8:12
1:1尺寸爲>5*5mm

EN 60950-1
BS EN 60950-1

www.tuv.com
ID 1000000000

YYWW:生產年+生產周,1503為15年第3周
ZZZZZZ:流水號,從000001-999999

因銘板空間有限,安規符號按實際比例縮放

注:產地X以實際生產地為准
X=G 表示龍川廠生產
X=H 表示嘉善廠生產

NOTE:
1.處理:鐳射刻印,字體:Arial
2.回形LOGO高度最小需達5mm
3.印度BIS認證的字體最小需達6pt
4.禁止使用DVE所禁用之危害物質

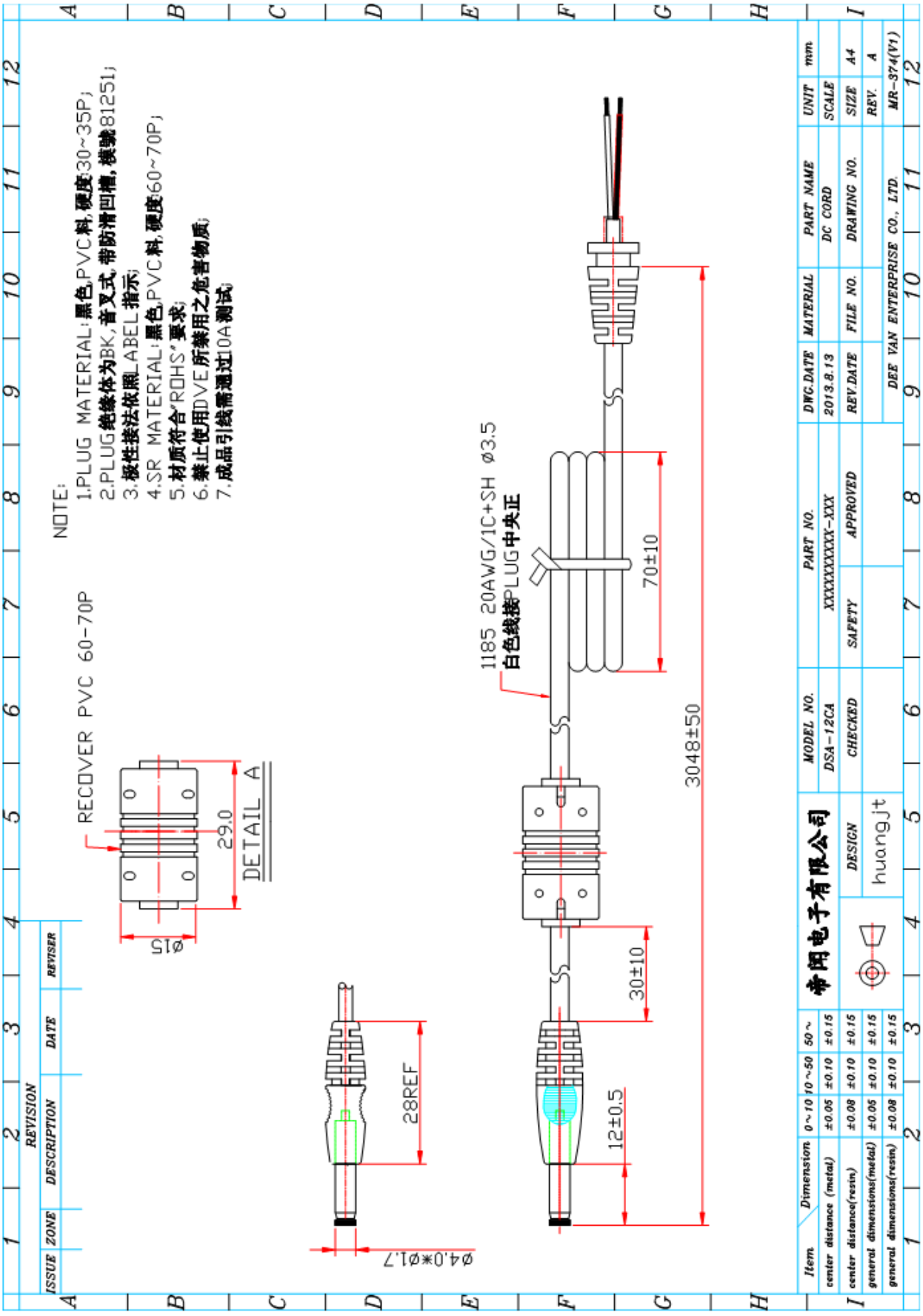
工單號碼 : **XXX** 客戶 : **L091**

DEE VAN ENTERPRISE CO., LTD.			DEPARTMENT	UNIT	CASE	PART NO.	SALE	DIMENSIONAL TOLERANCE
			R&D SPS	mm		XXXXX		+0-0.2mm
			APPD. BY	CHD. BY	DWG.BY	DRAWING NO.	SAFETY	備注
MODEL NO.:	DSA-12CA-12	PAGE 1OF1			SUHD	FO-S2015		

MR-381(V0)

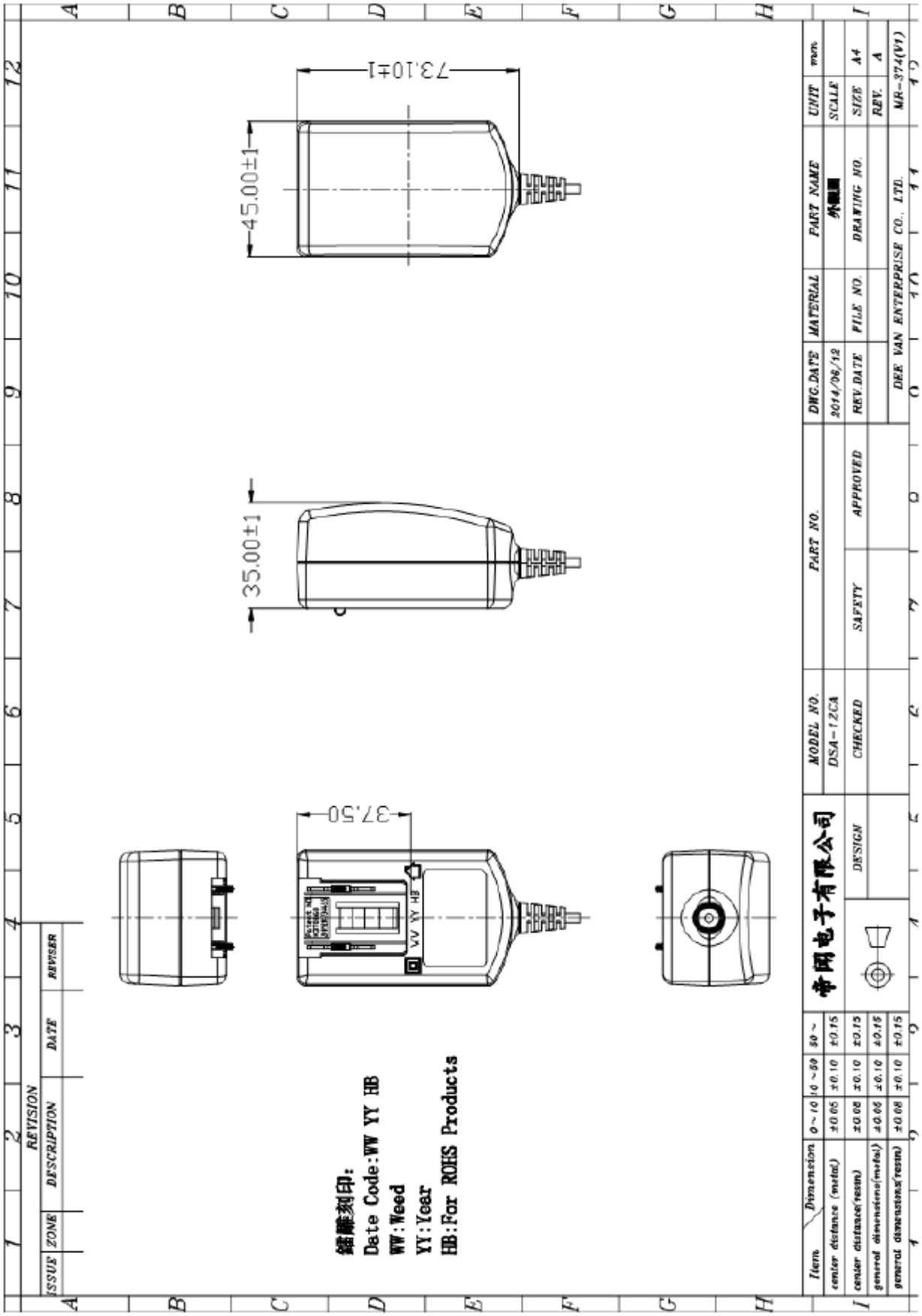
3.DC OUTPUT CORD DRAWING

-- 1 / 1

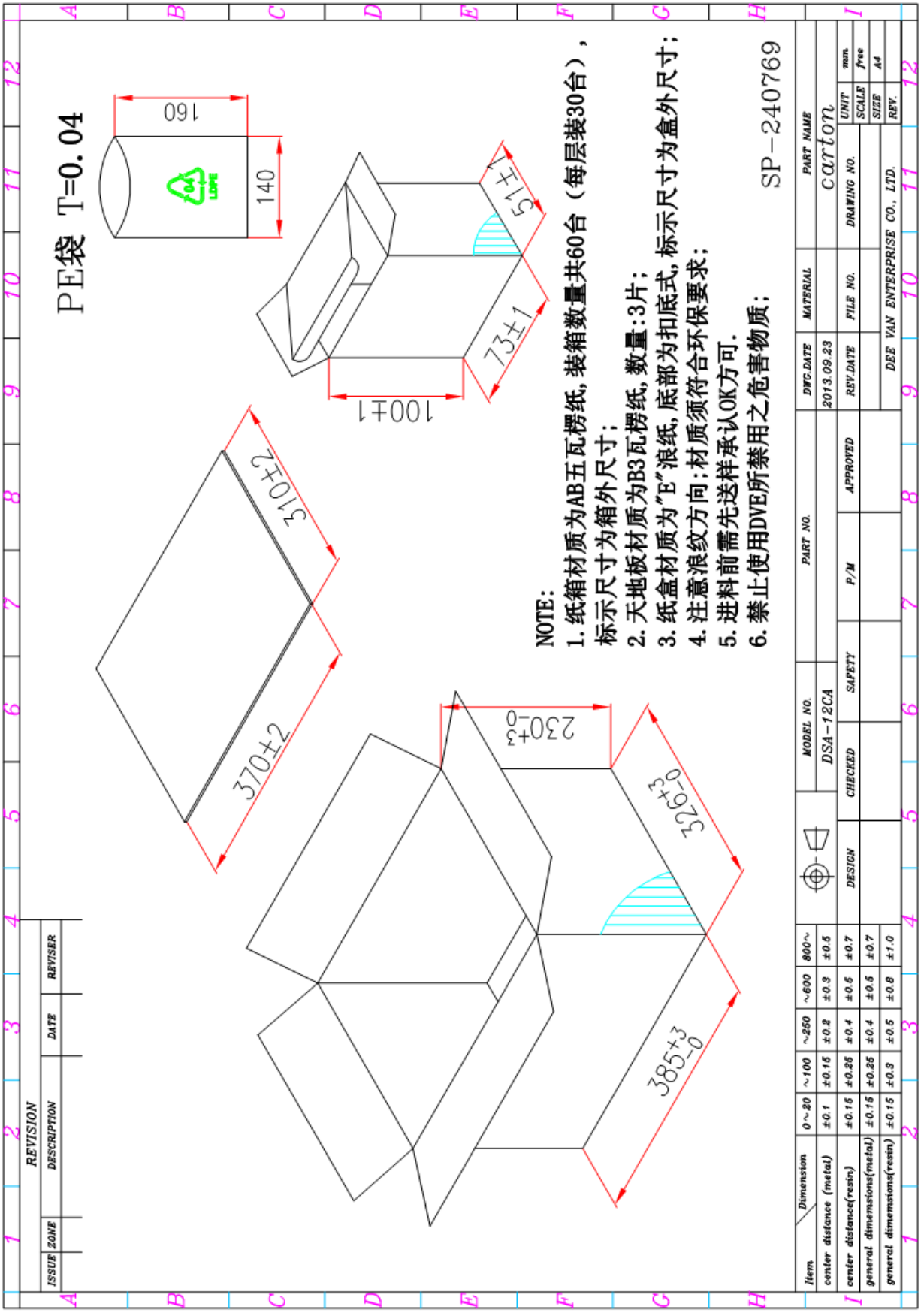


4. PRODUCT OUTLINE DRAWING

-- 1 / 1



5.PACKING DRAWING



6. SAFETY LICENSE(UL/CUL)

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DEE VA N ENTERPRISE CO LTD E135856
NO 5 PAO-KAO RD
HSIN-TIEN, TAIPEI 231 TAIWAN

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(J), TDS-0182A, TDS-051211-I-DT

AC adaptor, Model(s) DVR-0320AC-3058

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, HSWF-1200400C

Direct Plug In Switching Adapter, Model(s) DSA-12G-12 AUS 120y(y), DSA-12G-12 FUS 120y(y), DSA-12G-12 FJP 120y(y)

DSA-18PFG-12 Fa bc (##), 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-12PFE-12 Ac 120e

DSA-12PFE-12 Bc 120e (b=A, B or F; c=UJ or US or JP; d=090-120; e=001-100)

DSA-9PFB-05 bc de, (b=A, B or F; c=UJ or US or JP; d=090-120050-120; e=001-100150)

DSA-9PFB-09 bc de, DSC-3PFE-05 FUS de (S)

Direct plug-in A C/DC A dapters, Model(s) DSA-0201F-12

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

DVS-xAyFUSz, where x can be 050 to 080, y can be 00 to 28, z can be N or blank.

DVS-xAyFUSz, where x can be 081 to 110, y can be 00 to 20, z can be N or blank.

DVS-xAyFUSz, where x can be 111 to 140, y can be 00 to 16, z can be N or blank.

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

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-1270R, DV-1280-3, DV-1280-3G, DV-751A, DV-751A5, DV-752AX, DV-91A, DV-9210-1, DV-XXXXX-B11, DV-XXXXXAC-B11, DVR-3508, DVR-3512, DVR-4109, DVR-4114, DVR-4814, DVR-4818, DVR-530, DVR-5716, DVR-5720, DVR-5725, DVR-B11

DVS-xyAzaUSC, where x can be 03 to 06, yz can be 00 to 30, a can be F or blank.

6. SAFETY LICENSE(UL/CUL)

DVS-xyAzaUSC, where x can be 07 to 10, yz can be 00 to 18, a can be F or blank.

DVS-xyAzaUSC, where x can be 11 to 14, yz can be 00 to 11, a can be F or blank.

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-XXXXX-3508 Series (=)

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

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

DSA-30W-05 US yz, DSA-30W-12 US yz, where y and z can be any 3 digit numbers, 0-9.

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 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

Switching Adapter, Model(s) DSA-10PFD-05 bc de!, DSA-12GX-a bc de (aa)

DSA-12PFG-12 bUS de ("b"=A or B or F for marketing purpose, "d"=090-120 to denote the output voltage, "e"=001-100 to denote the output current)

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)

DSA-20PNA-12 a b cd (a2)

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)

DSA-24PFD-15 bc xy, DSA-24PFD-15L 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-30PFB-12 bc de (bb), DSA-3PFC-05 Fc 050e q3, 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-5CAA-05 bc (t), DSA-5CAA-05 Fe bc (t)

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DSA-5PFH-05 bc 050e (b=F, c= US, UJ or JP, e=Output current)

DSA-5PFH-05 bc 050ea (b=F, c= US, UJ or JP, e=Output current, a=Operating Temperature Tma: 40 degree C)

DSA-5PFK-05 bc 050e (b=F, c= US, UJ or JP, e=Output current)

DSA-5PFK-05 bc 050ea (b=F, c= US, UJ or JP, e=Output current, a=Operating Temperature Tma: 40 degree C)

DSA-5PFM-05 FUS 050(z1), DSA-60PFB-24 b cd (+), DSA-60PFB-24 b cd (~)

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, DSA-6PFE-05 FUS de(d2), DSA-6PFE-12 FUS de(d3), DSA-90PFC-24 2 240375, DSC-3PFB-05 bc de (j)

DSC-5CA-05 bc (b=050 - 075, c=001 - 100), DSC-5CA-12 bc (b=080-120, c=001-075)

DSC-5PFB-05 bc de (n), DSL-24WB-US 240c (c1)

Switching Adaptor, Model(s) 0A34184, DSA-10CU-05 bc(f), DSA-12PFA-a bc de (f3), DSA-12RN-12 AUS 120z($), DSA-15CA-12 b yz(h)

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-42DM-24 a bc(f4), 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), DSA-90PFD-12 1 120(b6)

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-31FUS52050

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

OTE-20-12a b cd. (a=L or F, b=US, c= 120 for output voltage with 3 digital number, d = 001-200 for Output wattage with 3 digital number)

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

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

Switching Power Adapter, Model(s) 5-2791, 5-2792, AA-R0617, 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-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)

! - b= F ; c=US ,JP or UJ ; d=050; e=001-210

(##) - ("a" can be EU, UP, UK, US, UJ, JP, CH, IN, AU, KA, KR, AN, AR, SA or AF. "b" = 120, "c" = 001-150)

(#) - 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

(a2) - (a= A , B or F ; b= US , UJ or JP ; c=120 for output voltage with 3 digital number, d=001-200 for Output Wattage with 3 digital number)

(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)

(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)

(b6) - where b6=001 to 075 for output current

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(bb) - b=F ; c=UJ,US,JP; d=Output voltage ; e=Output current

(c) - Where y and z can be any 3 digit numbers, 0-9.

(c1) - c=001-100 which represents the output current in Ampere after dividing by 100 in step of 0.01A, for example, 100 represents the output current is 1.0A

(d) - Where x can be A or F; ccc can be any number 045 to 081; ddd can be any number 062 to 100.

(d2) - (d=050-075 to denote output voltage; e=001-120 to denote output current)

(d3) - (d=080-120 to denote output voltage; e=001-075 to denote output current)

(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 or JP; d may be 033 to 080 and 090 to 150; e may be 001 to 200.

(f4) - a=2; b=240 for Output Voltage; c=001-175 for Output Current

(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, or120 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, d= Output voltage; e= 001-100, e= Output current

(t) - b = Output Voltage: 001-050 (001=0.1Vdc, 050=5Vdc); c = Output Current: 001-100 (001=10mA, 100=1.0A); e = US, JP or UJ

(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.

q3 - (c=US or JP; e=001 to 070)

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

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DEE VAN ENTERPRISE CO LTD E135856
NO 5 PAO-KAO RD
HSIN-TIEN, TAIPEI 231 TAIWAN

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-I-DT

AC adaptor, Model(s) DVR-0320AC-3058

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, HSWF-1200400C

Direct Plug In Switching Adapter, Model(s) DSA-12G-12 AUS 120y(y), DSA-12G-12 FUS 120y(y), DSA-12G-12 FJP 120y(y)

DSA-18PFG-12 Fa bc (##), 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-12PFE-12 Ac 120e

DSA-12PFE-12 Bc 120e (b=A, B or F; c=UJ or US or JP; d=090-120; e=001-100)

DSA-9PFB-05 bc de, (b=A, B or F; c=UJ or US or JP; d=090-120050-120; e=001-100150)

DSA-9PFB-09 bc de, DSC-3PFE-05 FUS de (S)

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

DVS-xAyFUSz, where x can be 050 to 080, y can be 00 to 28, z can be N or blank.

DVS-xAyFUSz, where x can be 081 to 110, y can be 00 to 20, z can be N or blank.

DVS-xAyFUSz, where x can be 111 to 140, y can be 00 to 16, z can be N or blank.

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

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-XXXXX-B11, DV-XXXXXAC-B11, DVR-3508, DVR-3512, DVR-4109,

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DVR-4114, DVR-4814, DVR-4818, DVR-530, DVR-5716, DVR-5720, DVR-5725, DVR-B11

DVS-xyAzaUSC, where x can be 03 to 06, yz can be 00 to 30, a can be F or blank.

DVS-xyAzaUSC, where x can be 07 to 10, yz can be 00 to 18, a can be F or blank.

DVS-xyAzaUSC, where x can be 11 to 14, yz can be 00 to 11, a can be F or blank.

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-XXXXX-3508 Series (=)

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

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

DSA-30W-05 US yz, DSA-30W-12 US yz, where y and z can be any 3 digit numbers, 0-9.

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 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

Switching Adapter, Model(s) DSA-10PFD-05 bc de!, DSA-12GX-a bc de (aa)

DSA-12PFG-12 bUS de ("b"=A or B or F for marketing purpose, "d"=090-120 to denote the output voltage, "e"=001-100 to denote the output current)

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)

DSA-20PNA-12 a b cd (a2)

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)

DSA-24PFD-15 bc xy, DSA-24PFD-15L 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

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(001=10 mA, 200=2.0A)

DSA-26PFA-15 FUS xy (m), DSA-30PFB-12 bc de (bb), DSA-3PFC-05 Fc 050e q3, 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-5CAA-05 bc (t), DSA-5CAA-05 Fe bc (t)

DSA-5PFH-05 bc 050e (b=F, c= US, UJ or JP, e=Output current)

DSA-5PFH-05 bc 050ea (b=F, c= US, UJ or JP, e=Output current, a=Operating Temperature Tma: 40 degree C)

DSA-5PFK-05 bc 050e (b=F, c= US, UJ or JP, e=Output current)

DSA-5PFK-05 bc 050ea (b=F, c= US, UJ or JP, e=Output current, a=Operating Temperature Tma: 40 degree C)

DSA-5PFM-05 FUS 050(z1), DSA-60PFB-24 b cd (+), DSA-60PFB-24 b cd (~)

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, DSA-6PFE-05 FUS de(d2), DSA-6PFE-12 FUS de(d3), DSA-90PFC-24 2 240375, DSC-3PFB-05 bc de (j)

DSC-5CA-05 bc (b=050 - 075, c=001 - 100), DSC-5CA-12 bc (b=080-120, c=001-075)

DSC-5PFB-05 bc de (n), DSL-24WB-US 240c (c1)

Switching Adaptor, Model(s) 0A34184, DSA-10CU-05 bc(f), DSA-12PFA-a bc de (f3), DSA-12RN-12 AUS 120z($), DSA-15CA-12 b yz(h)

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-42DM-24 a bc(f4), 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), DSA-90PFD-12 1 120(b6)

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

OTE-20-12a b cd. (a=L or F, b=US, c= 120 for output voltage with 3 digital number, d = 001-200 for Output wattage with 3 digital number)

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

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

Switching Power Adapter, Model(s) 5-2791, 5-2792, AA-R0617, 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

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)

! - b= F ; c=US ,JP or UJ ; d=050; e=001-210

(##) - ('a' can be EU, UP, UK, US, UJ, JP, CH, IN, AU, KA, KR, AN, AR, SA or AF. 'b' = 120, 'c' = 001-150)

(#) - 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

(a2) - (a= A , B or F ; b= US , UJ or JP ; c=120 for output voltage with 3 digital number, d=001-200 for Output Wattage with 3 digital number)

(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)

(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)

6. SAFETY LICENSE(UL/CUL) -- 9 / 37

(b5) - where d = 090 ~ 120 for output voltage (090 = 9Vdc; 120 = 12Vdc); e = 001 ~ 200 for output current (001 = 0.01A; 200 = 2A)

(b6) - where b6=001 to 075 for output current

(bb) - b=F ; c=UJ,US,JP; d=Output voltage ; e=Output current

(c) - Where y and z can be any 3 digit numbers, 0-9.

(c1) - c=001-100 which represents the output current in Ampere after dividing by 100 in step of 0.01A, for example, 100 represents the output current is 1.0A

(d) - Where x can be A or F; ccc can be any number 045 to 081; ddd can be any number 062 to 100.

(d2) - (d=050-075 to denote output voltage; e=001-120 to denote output current)

(d3) - (d=080-120 to denote output voltage; e=001-075 to denote output current)

(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 or JP; d may be 033 to 080 and 090 to 150; e may be 001 to 200.

(f4) - a=2; b=240 for Output Voltage; c=001-175 for Output Current

(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, or120 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, d= Output voltage; e= 001-100, e= Output current

(t) - b = Output Voltage: 001-050 (001=0.1Vdc, 050=5Vdc); c = Output Current: 001-100 (001=10mA, 100=1.0A); e = US, JP or UJ

(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)

6. SAFETY LICENSE(UL/CUL)

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.

q3 - (c=US or JP; e=001 to 070)

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

Last Updated on 2013-05-14

Questions? Print this page Terms of Use Page Top

6. SAFETY LICENSE(FCC)

Verification of Compliance

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

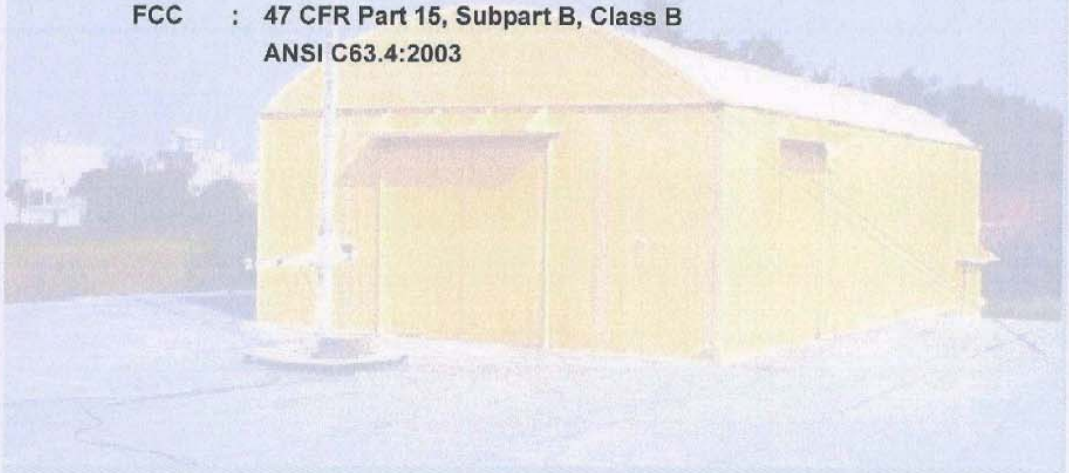
Product : Switching Adapter

Model No. : DSA-12CA-a de (a=05 or 12; d=050-120; e=001-200)

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.: **A10031602** according to the following standards:

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



Johnson Ho, Director
Issued Date: Mar. 24, 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

6.SAFETY LICENSE(TUV-GS)

Zertifikat *Certificate*

TÜVRheinland®

Zertifikat Nr. *Certificate No.* S1 50245405

Blatt *Page* 0001

Ihr Zeichen *Client Reference*	Unser Zeichen *Our Reference*	Längstens gültig bis *Latest expiration date (day/mo/yr)*
174007506	05-RX- 16021927 003	13.01.2018

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

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

Prüfzeichen *Test Mark*

TÜVRheinland ZERTIFIZIERT

GS geprüfte Sicherheit

Geprüft nach *Tested acc. to*
EN 60950-1:2006+A11+A1+A12
ZEK 01.4-08/11.11

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.

Zertifiziertes Produkt (Geräteidentifikation) *Certified Product (Product Identification)*	Lizenzentgelte - Einheit *License Fee - Unit*
Netzgerät (Switching Adapter)	
Serienbezeichnung (Series Type Designation) : DSA-12CA-a bc (DVE)	15

a = 05, 12
b = Eine Dreistellige Zahl, welche die Ausgangsspannung in Volt angibt, nach Teilung der Zahl durch 10.
(Is a 3 digit numerical code, which represents the output voltage in Volt after dividing the number by 10.)
c = Eine Dreistellige Zahl, welche den Ausgangsstrom in A angibt, nach Teilung der Zahl durch 100.
(Is a 3 digit numerical code, which represents the output current in A after dividing the number by 100.)
Nenneingangswerte (Rated Input): AC 100-240V,50/60Hz, 0,3A
Schutzklasse (Protection Class): II
Umgebungstemperatur (Ambient Temperature) : 50°C

Portsetzung auf Blatt (Continuation on page) 0002

15

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde. Produkt und Fertigungsstätte erfüllen § 20 und § 21 des Produktsicherheitsgesetzes.
This certificate is based on our Testing and Certification Regulation. Product and production fulfill par § 20 and § 21 of the Product Safety Law.

Zertifizierungsstelle

TÜV Rheinland LGA Products GmbH - Zertifizierungsstelle

Dipl.-Ing. F. Stoelzel

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 *Date of Issue* : 14.01.2013 **(day/mo/yr)**

6.SAFETY LICENSE(TUV-GS)

Zertifikat *Certificate*

TÜVRheinland®

Zertifikat Nr. *Certificate No.* S1 50245405

Blatt *Page* 0002

Ihr Zeichen *Client Reference*	Unser Zeichen *Our Reference*	Längstens gültig bis *Latest expiration date (day/mo/yr)*
174007506	05-RX- 16021927 003	13.01.2018

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

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

Prüfzeichen *Test Mark*

TÜVRheinland® ZERTIFIZIERT

GS geprüfte Sicherheit

Geprüft nach *Tested acc. to*
EN 60950-1:2006+A11+A1+A12
ZEK 01.4-08/11.11

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.

Zertifiziertes Produkt (Geräteidentifikation) *Certified Product (Product Identification)*

Lizenzentgelte - Einheit *License Fee - Unit*

Netzgerät (Switching Adapter)

wie Blatt (as page) 0001
Fortsetzung (Continuation)

	Ausgangsspannung (Output Voltage)	Ausgangsstrom (Output Current)	Ausgangsleistung (Output Power)
a = 05	DC 5,0 - 7,5V	2,00A max.	11,00W max.
a = 12	DC 9,0 - 12,0V	1,33A max.	12,00W max.

Hinweis: Dieses Netzgerät erfüllt die Anforderung nach Abschnitt 2.5 als Stromquelle mit begrenzter Leistung.
(Remark:The power supply complies with clause 2.5 as a limited power source.)
Ausgangsspannung und -strom haben Werte mit der Schrittweite 0,1V bzw. 0,01A. Nach Multiplikation beider Werte sind Modellbezeichnungen limitiert durch die max. Ausgangsleistung.
(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.)

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.
Produkt und Fertigungsstätte erfüllen § 20 und § 21 des Produktsicherheitsgesetzes.
This certificate is based on our Testing and Certification Regulation.
Product and production fulfill par § 20 and § 21 of the Product Safety Law.

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

TÜV Rheinland LGA Products GmbH — TÜV Rheinland — Zertifizierungsstelle

Dipl.-Ing. F. Stoelzel

Ausstellungsdatum *Date of Issue* : 14.01.2013 **(day/mo/yr)**

6.SAFETY LICENSE(TUV-GS)

Zertifikat *Certificate*

TÜVRheinland®

Zertifikat Nr. *Certificate No.* S1 50245405

Blatt *Page* 0003

Ihr Zeichen *Client Reference*	**Unser Zeichen** *Our Reference*	**Längstens gültig bis** *Latest expiration date (day/mo/yr)*
174007506	05-RX- 16021927 003	13.01.2018

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

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

Prüfzeichen *Test Mark*

Geprüft nach *Tested acc. to*
EN 60950-1:2006+A11+A1+A12
ZEK 01.4-08/11.11

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.

Zertifiziertes Produkt (Geräteidentifikation) *Certified Product* (*Product Identification*)

Lizenzentgelte - Einheit *License Fee - Unit*

Netzgerät (Switching Adapter)

wie Blatt (as page) 0001

Ergänzung
(Addition)

Fertigungsstätte : siehe oben
(Factory) (see above)

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde. Produkt und Fertigungsstätte erfüllen § 20 und § 21 des Produktsicherheitsgesetzes.
This certificate is based on our Testing and Certification Regulation. Product and production fulfill par § 20 and § 21 of the Product Safety Law.

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 *Date of Issue* : 14.01.2013 **(day/mo/yr)**

Zertifizierungsstelle

TÜV Rheinland LGA Products GmbH TÜVRheinland® Zertifizierungsstelle

Dipl.-Ing. F. Stoelzel

6.SAFETY LICENSE(TUV-GS)

Zertifikat ***Certificate***

TÜVRheinland®

Zertifikat Nr. *Certificate No.* S1 50245405

Blatt *Page* 0004

Ihr Zeichen *Client Reference*	**Unser Zeichen** *Our Reference*	**Längstens gültig bis** *Latest expiration date (day/mo/yr)*
174007506	05-RX- 16021927 003	13.01.2018

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

Fertigungsstätte *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

Prüfzeichen *Test Mark*

Geprüft nach *Tested acc. to*
EN 60950-1:2006+A11+A1+A12
ZEK 01.4-08/11.11

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.

Zertifiziertes Produkt (Geräteidentifikation) *Certified Product (Product Identification)*

Lizenzentgelte - Einheit *License Fee - Unit*

Netzgerät (Switching Adapter)

wie Blatt (as page) 0001

Ergänzung
(Addition)

Fertigungsstätte : siehe oben
(Factory) (see above)

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde. Produkt und Fertigungsstätte erfüllen § 20 und § 21 des Produktsicherheitsgesetzes.
This certificate is based on our Testing and Certification Regulation. Product and production fulfill par § 20 and § 21 of the Product Safety Law.

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 *Date of Issue* : 14.01.2013 **(day/mo/yr)**

Zertifizierungsstelle

TÜV Rheinland LGA Products GmbH TÜV Rheinland Zertifizierungsstelle

Dipl.-Ing. F. Stoetzel

6.SAFETY LICENSE(TUV-GS)

C E R T I F I C A T E

TÜVRheinland®

of Conformity
Low Voltage Directive 2006/95/EC

Registration No.: AN 50245411 0001

Report No.: 16021927 003

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

Product: Power Supply
(Switching Adapter)

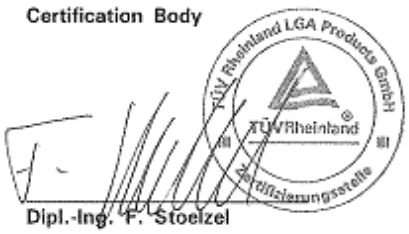
Identification: Series Type Designation : DSA-12CA-a bc (DVE)

For a detailed listing of the variables a, b, c refer to license S1 50245405 0001-0004.

Serial No.: n.a.
(Issued in conjunction with the above mentioned TÜV Rheinland license.)

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.

Certification Body



Dipl.-Ing. F. Stoelzel

Date 14.01.2013

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(T-LICENSE)

Certificate

TÜVRheinland®
Group Asia

Certificate no. T 50245669 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 16021928 002 **Client Reference:** 174007506

Tested to: EN 60950-1:2006+A11+A1+A12
BS EN 60950-1:2006+A1+A12

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

Series Type Designation : DSA-12CA-a bc (DVE) 15
a = 05, 12
b = Is a 3 digit numerical code, which represents the output voltage in Volt after dividing the number by 10.
c = Is a 3 digit numerical code, which represents the output current in A after dividing the number by 100.
Rated Input : AC 100-240V; 50/60Hz; 0,3A
Protection Class : II
Ambient Temperature : 50°C
Continuation on page 02

15

Licensed Test mark:

EN 60950-1
BS EN 60950-1

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

Pony Xiong

Date of Issue (day/mo/yr)
11/01/2013

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)

Certificate

TÜVRheinland®
Group Asia

Certificate no. T 50245669 02

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 16021928 002 **Client Reference:** 174007506

Tested to: EN 60950-1:2006+A11+A1+A12
BS EN 60950-1:2006+A1+A12

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

as page 01 & Continuation

	Output Voltage	Output Current	Output Power
a = 05	DC 5,0 - 7,5V	2,00A max.	11,00W max.
a = 12	DC 9,0 - 12,0V	1,33A max.	12,00W max.

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 complied with sub-clause 2,5 as limited power source.

TÜV Rheinland / CCIC (Qingdao) Co., Ltd. TÜV Rheinland Certification Body

Licensed Test mark: EN 60950-1 BS EN 60950-1

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

Pony Xiong

Date of Issue (day/mo/yr)
11/01/2013

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)

Certificate

TÜVRheinland®
Group Asia

Certificate no. T 50245669 03

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

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

Test report no.: RX 16021928 002 **Client Reference:** 174007506

Tested to: EN 60950-1:2006+A11+A1+A12
BS EN 60950-1:2006+A1+A12

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

as page 01
Addition
Factory: see above

Licensed Test mark:
EN 60950-1
BS EN 60950-1

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

Date of Issue (day/mo/yr)
11/01/2013

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)

Certificate

TÜVRheinland®
Group Asia

Certificate no. T 50245669 04

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 16021928 002 **Client Reference:** 174007506

Tested to: EN 60950-1:2006+A11+A1+A12
BS EN 60950-1:2006+A1+A12

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

as page 01
Addition
Factory: see above

Licensed Test mark:

EN 60950-1
BS EN 60950-1

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

Pony Xiong

Date of Issue (dd/mm/yr)
11/09/2013

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)

CERTIFICATE

TÜVRheinland®

of Conformity
Low Voltage Directive 2006/95/EC

Registration No.: AN 50245671 0001

Report No.: 16021928 002

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

Product:
Power Supply
(Switching Adapter)

Identification:
Series Type Designation : DSA-12CA-a bc (DVE)

For a detailed listing of the variables a, b, c refer to license T 50245669 01-04.
Serial No. : n.a.
(Issued in conjunction with above TÜV Rheinland license.)

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.

Certification Body

TÜV Rheinland (Guangdong) Ltd. TÜVRheinland®

Guangzhou, 11.01.2013

Pony Xiong

TÜV Rheinland Guangdong - Guangzhou Science City - Guangzhou - P.R.China

CE The CE marking may be used if all relevant and effective EC Directives are complied with. CE

6.SAFETY LICENSE(CE)

Certificate of Conformity

No. ESTE-E1503014

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, Hish-Tien City, Taipei, Taiwan, China**

Trade Name : **DVE**

Product : **Switching Power Adaptor**

Model No : **DSA-12CA-a bc**
a:can be 05 or 12, 05 represents the output voltage range is 5.0-7.5V and 12 represents the output voltage range is 9.0-12.0V.
b:Output voltage Is 3 digit number
c:Output current Is 3 digit number

Test Standards：	
EN 55022:2010 CISPR 22:2008	Information technology equipment - Radio disturbance characteristics – Limits and methods of measurement
EN 61000-3-2:2006+A1:2009+A2:2009	Electromagnetic compatibility (EMC) -- Part 3-2: Limits - Limits for harmonic current emissions (equipment input current up to and including 16 A per phase)
EN 61000-3-3:2013	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 55024:2010 CISPR 24:2010	Information technology equipment - Immunity characteristics – Limits and methods of measurement

CE

Leeman Li
Manager
Date: Mar. 13, 2015

EST Technology Co., Ltd
http://www.gdest.cn TEL:86-769-83081888
Chilingxiang, Qishantou, Santun, Houjie, Dongguan, Guangdong, China

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(KC-MARK)

[별지 제2호서식] 접수번호 :20101101 - 0014

전 기 용 품 안 전 인 증 서

Electrical Appliances Safety Certificate

안전인증번호: (Certificate No.)	HU10537-10009A
제조업자명: (Manufacturer)	Dee Van Electronics (Longchuan) Co., Ltd.
대표자명: (President)	S.D Tseng
제조공장의소재지: (Factory Address)	Meichun Industrial District Longchuan Country Heyuan city, Guangdong, China
제품명: (Product)	직류전원장치 (AC/DC Adapter)
기본모델명: (Basic Model)	DSA-12CA-12 120100
정격: (Rating)	100-240 V~, 50/60 Hz, 0.3 A (O/P : 12.0 Vdc / 1.00 A)

파생모델명 (Series Model):

DSA-12CA-12 090040
DSA-12CA-12 090060
DSA-12CA-12 090080
DSA-12CA-12 090100
DSA-12CA-12 090120
DSA-12CA-12 090133
DSA-12CA-12 095050
DSA-12CA-12 095070
DSA-12CA-12 095090
DSA-12CA-12 095110
DSA-12CA-12 090050
DSA-12CA-12 090070
DSA-12CA-12 090090
DSA-12CA-12 090110
DSA-12CA-12 090130
DSA-12CA-12 095040
DSA-12CA-12 095060
DSA-12CA-12 095080
DSA-12CA-12 095100
이면기재

적용기준: K 60950-1(2006-12) K00024(2009-12)
(Standard) K00022(2009-12)

「전기용품안전 관리법 시행규칙」 제6조제2항에 따라 위의 전기용품에 대하여 안전인증서를 발급합니다.

We issue Electrical Appliances Safety Certification above product by Article 6 Section 2 of the Electrical Appliances Safety Control Law Enforcement Regulation.

2010 년 (Year) 11 월 (Month) 18 일 (Day)

한국기계전기전자시험연구원장
Korea Testing Certification

※ 본 인증서는 「전기용품안전 관리법」에 따른 전기제품 안전성확인에 한정된 것이며, 그 밖의 다른 법률이 적용되는 제품의 경우에는 해당 법률에 따라 추가적으로 인증·허가 등을 받아야 합니다.

첨부서류 1. 안전관리부품 및 재질목록 (List of Critical Components)
2. 기본모델·파생모델의 내용 (General Descriptions of Certified Products)
3. 전기용품안전인증의 변경현황 (Status of Certificate Revisions)

6.SAFETY LICENSE(KC-MARK)

DSA-12CA-12 095120
DSA-12CA-12 100030
DSA-12CA-12 100050
DSA-12CA-12 100070
DSA-12CA-12 100090
DSA-12CA-12 100110
DSA-12CA-12 105030
DSA-12CA-12 105050
DSA-12CA-12 105070
DSA-12CA-12 105090
DSA-12CA-12 105110
DSA-12CA-12 110030
DSA-12CA-12 110050
DSA-12CA-12 110070
DSA-12CA-12 110090
DSA-12CA-12 110109
DSA-12CA-12 115040
DSA-12CA-12 115060
DSA-12CA-12 115080
DSA-12CA-12 115100
DSA-12CA-12 120030
DSA-12CA-12 120050
DSA-12CA-12 120070
DSA-12CA-12 120090

DSA-12CA-12 095126
DSA-12CA-12 100040
DSA-12CA-12 100060
DSA-12CA-12 100080
DSA-12CA-12 100100
DSA-12CA-12 100120
DSA-12CA-12 105040
DSA-12CA-12 105060
DSA-12CA-12 105080
DSA-12CA-12 105100
DSA-12CA-12 105114
DSA-12CA-12 110040
DSA-12CA-12 110060
DSA-12CA-12 110080
DSA-12CA-12 110100
DSA-12CA-12 115030
DSA-12CA-12 115050
DSA-12CA-12 115070
DSA-12CA-12 115090
DSA-12CA-12 115104
DSA-12CA-12 120040
DSA-12CA-12 120060
DSA-12CA-12 120080

6. SAFETY LICENSE(CCC) -- 25 / 37

中国国家强制性产品认证证书

证书编号: 2010010907405086

委托人名称、地址

帝闻科技(龙川)有限公司
广东省河源市龙川县梅村工业园

生产者(制造商)名称、地址

帝闻企业股份有限公司
台北县新店市宝高路5号

生产企业名称、地址

帝闻科技(龙川)有限公司
广东省河源市龙川县梅村工业园

产品名称和系列、规格、型号

电源适配器

见附件（仅适用于海拔2000米及以下、仅适用于非热带气候条件）

产品标准和技术要求

GB9254-2008; GB4943.1-2011; GB17625.1-2012

上述产品符合强制性产品认证实施规则
CNCA-01C-020:2007的要求，特发此证。

发证日期: 2013年08月12日 有效期至: 2018年07月31日

证书有效期内本证书的有效性依据发证机构的定期监督获得保持。

本证书为变更证书，证书首次颁发日期: 2010年05月04日

本证书的相关信息可通过国家认监委网站www.cnca.gov.cn查询

主 任：

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

Q 0748867

6. SAFETY LICENSE(CCC) -- 26 / 37

CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No.: 2010010907405086

NAME AND ADDRESS OF THE APPLICANT

Dee Van Technology (Longchuan) Co., Ltd.
Meichun Industrial District Longchuan Country Heyuan Guangdong PR.

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

Dee Van Technology (Longchuan) Co., Ltd.
Meichun Industrial District Longchuan Country Heyuan Guangdong PR.

NAME, MODEL AND SPECIFICATION

Switching Adapter

See Appendix (Altitude up to 2000m、Non-tropical climate)

THE STANDARDS AND TECHNICAL REQUIREMENTS FOR THE PRODUCTS

GB9254-2008;GB4943.1-2011;GB17625.1-2012

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. 12, 2013 Date of expiry: Jul. 31, 2018

Validity of this certificate is subject to positive result of the regular follow up inspection by issuing certification body until the expiry date.

Date of original certification: May. 04, 2010

This certificate can be verified through CNCA's website: 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 0748867

6. SAFETY LICENSE(CCC) -- 27 / 37

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: 2010010907405086 纸号: 748867

DSA-12CA-a bc 型电源适配器(其中 a 取值为 05 或 12,代表了 5.0-7.5VDC 和 9.0-12.0VDC 范围内的输出电压; b 是三位数,表示输出电压,当 a 为 05 时, b 取值为 050-075, 表示输出电压为 5.0-7.5VDC, 当 a 为 12 时, b 取值为 090-120, 表示输出电压为 9.0-12.0VDC,输出电压的变化步长为 0.1V; c 为三位数,表示输出电流,当 a 为 05 时,c 取值为 001-200,表示输出电流为 0.01-2.00A, 当 a 为 12 时,c 取值为 001-133,表示输出电流为 0.01-1.33A 输出电流变化步长为 0.01A,最大输出功率为 12W;输出功率的变化步长为 0.1W.)具体型号规格见下表, 产品各型号的主要差别在于输出电压和输出电流不同.

型号	输入	输出		
	VAC	VDC	A	W
DSA-12CA-05 bc	100-240Vac 50/60Hz 0.3A	5.0-7.5	0.01-2.00	0.10-11.00
DSA-12CA-12 bc	100-240Vac 50/60Hz 0.3A	9.0-12.0	0.01-1.33	0.20-12.00

注: 此附录与证书同时使用时有效。

主 任:

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

6. SAFETY LICENSE(PSB) -- 28 / 37

ZERTIFIKAT ◆ CERTIFICATE ◆ 認證證書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

TÜV SÜD PSB 12/07.02

PSB Singapore

THE SINGAPORE CONSUMER PROTECTION
(SAFETY REQUIREMENTS) REGISTRATION SCHEME

CERTIFICATE OF CONFORMITY (COC)

TO:

LOG (RS Code)
Mr Sony Wahib
Logitech Singapore Pte Ltd
1 Maritime Square, #09-31/32
HarbourFront Centre (Lobby A)
Singapore 099253

Date of Certification : 10 December 2013

Date of Expiry : 09 December 2016

Certificate Number : 131837-11

Dear Sir/Madam,

We certify that the following controlled goods complied with the Mandatory Requirements of the Singapore Consumer Protection (Safety Requirements) Registration Scheme:

Description of controlled goods: AC Adapter for IT Equipment rated Input: 100-240V~, 50/60Hz, 0.3A, Class II, Output: 12VDC, 1A

Trade Name: DVE

Model Number: DSA-12CA-12 120100

Country where controlled goods are likely to be manufactured: China

Test report number: 16054428 001 (CB Test Certificate No.: JPTUV-050838)

Testing laboratory: TUV Rheinland (Guangdong) Ltd.

Tested according to: IEC 60950-1:2005 + A1:2009

Desmond Soh

TÜV SÜD PSB

Important Notice:
No controlled goods can be supplied in Singapore unless they are registered with the Safety Authority. Please access www.spring.gov.sg/safety for registration procedure.

TÜV SÜD PSB Pte Ltd • 1 Science Park Drive . Singapore 118221

TÜV®

6. SAFETY LICENSE(UKR) -- 29 / 37

Ukat

IECEE CB SCHEME CB057 | 1O023 | 001

Зареєстровано в реєстрі за № Ref. Certif. No.
UA 1.001.008743-15

«ДП Укрметртестстандарт»
SE"UKRMETRTESTSTANDART"

СЕРТИФІКАТ ВІДПОВІДНОСТІ
CERTIFICATE OF CONFORMITY

Продукція Product	Блоки живлення (Switching Adapter) Код УКТ ЗЕД **8504**
Торгова марка Trademark	"DVE"
Модель/Тип Model/Type Ref.	DSA-12CA-a bc, де замість a можуть бути цифри 05 або 12 - діапазон вихідної напруги; b - тризначний код, цифри від 050 до 075, 090 до 120 - вихідна напруга, c - тризначний код, цифри від 001 до 200 - вихідний струм
Відповідає вимогам Comply with the requirements	ДСТУ 4467-1:2005 (IEC 60950-1:2001, MOD), ДСТУ CISPR 22:2007 (CISPR 22:2006, IDT), ДСТУ CISPR 24:2008 (CISPR 24:1997, IDT) , ДСТУ IEC 61000-3-2:2008 (IEC 61000-3-2:2005, IDT), ДСТУ EN 61000-3-3:2012 (EN 61000-3-3:2008, IDT)
Назва та адреса заявника Name and address of the applicant	**"Dee Van Enterprise Co., Ltd." 5, Pao-Kao Road, Hsin-Tien, Taipei 231 Taiwan, Тайвань**
Назва та адреса виробника Name and address of the manufacturer	"Dee Van Enterprise Co., Ltd." 5, Pao-Kao Road, Hsin-Tien, Taipei 231 Taiwan, Тайвань
Назва та місцезнаходження заводу Name and factory location	**1.** «Dee Van Electronics (Longchuan) Co. Ltd.», Meichun Industrial District, Longchuan Country, Heyuan, Guangdong 517300 P.R. China, Китай; **2.** «Dee Van Technology (Longchuan) Co., Ltd.», Meichun Industrial District, Longchuan Country, Heyuan, Guangdong 517300 P.R. China, Китай; **3**. «Dee Van Electronics (Jiashan) Co., Ltd.», Sanqi Electronics Information Industry District Jiashan Economy Development Zone, Jiashan Town, Zhejiang 314100 P.R. China, Китай
Додаткова інформація Additional information	Вх.: 100-240Vac, 50/60Hz, 0.3A; Вих.: для мод. DSA-12CA-05 bc: 5.0 -- 7.5 V dc, Max. 2.00 A, Max. 11.00 W; для мод. DSA-12CA-12 bc: 9.0 -- 12.0 V dc, Max. 1.33 A, Max. 12.00 W;
Виданий на підставі Issued on the grounds of	сертифікату СВ № JPTUV-050838 від 18.04.2013 та протоколу 'УкрТЕСТ' № 1002УкрТЕСТ2-15 від 07.05.2015 (атестат акредитації №2Н635 від 29.06.12)

Сертифікат видано ООВ ДП "Укрметртестстандарт" (Реєстр. № UA.TR.001) вул. Метрологічна 4, м. Київ, 03143, Україна
Certificate issued by the CAB SE "Ukrmetteststandart" (Ref.No.UA.TR.001), 4, Metrologichna str., Kyiv, 03143, Ukraine

Дата реєстрації 12.05.2015
Date

підпис (signature)

Заступник керівника органу з сертифікації
Ример В.Д.
М.П.

Чинність сертифіката відповідності можна перевірити в базі даних органу з оцінки відповідності, що розміщена на
Validity of the certificate of conformity can be checked in the database of the conformity assessment body, which is loaded at
http://www.ukrtest.kiev.ua/reestr

6. SAFETY LICENSE(SAA)

global-mark®

Certificate of Conformity

Global-Mark Pty. Ltd., certify the electrical equipment described hereunder complies with standards listed herein and authorises the certificate holder to affix the mentioned mark to products of the same type; or the Regulatory Compliance Mark (RCM) provided that the requirements of all relevant parts of AS/NZS 4417 applicable to the article are fulfilled. In placing the authorised mark on the product, the certificate holder makes a declaration of compliance with the certification standard(s) and confirms that the product is identical to the product certified herein.

CERTIFICATION AND CERTIFICATE HOLDER DETAILS

Company Name	Dee Van Enterprise Co., ltd.
Address	5 Pao-Kao Road Hsin-Tien Taipei 231 - Taiwan
Client ID	103090
Certification and Authorized Mark Number	GMA-103090-EA-001 Revision Number 00
Certification Standard(s)	AS/NZS 60950.1:2011 including A1 & AS/NZS 3112:2011 including A1 - 2 App J Information technology equipment - Safety - General requirements (IEC 60950-1, Ed. 2.0 (2005), MOD)
Type of Certification	Electrical Safety Product System 1 Approval

CERTIFICATE DATES

Certificate Issue Date	30/05/2015
Certificate Last Update Date	
Certification Expiry Date	30/05/2020

This certification remains valid until the above mentioned expiry date and subject to the organisation's continued compliance with the certification standard, and Global-Mark's Terms and Conditions. This Certificate of Conformity remains the property of Global-Mark Pty Ltd, Company Number: ACN. 108 487 654. The use of the Accreditation Mark indicates accreditation by the Joint Accreditation System of Australia and New Zealand in respect to those activities covered by JAS-ANZ accreditation. Refer to www.jas-anz.org/register for verification.

Certification Manager

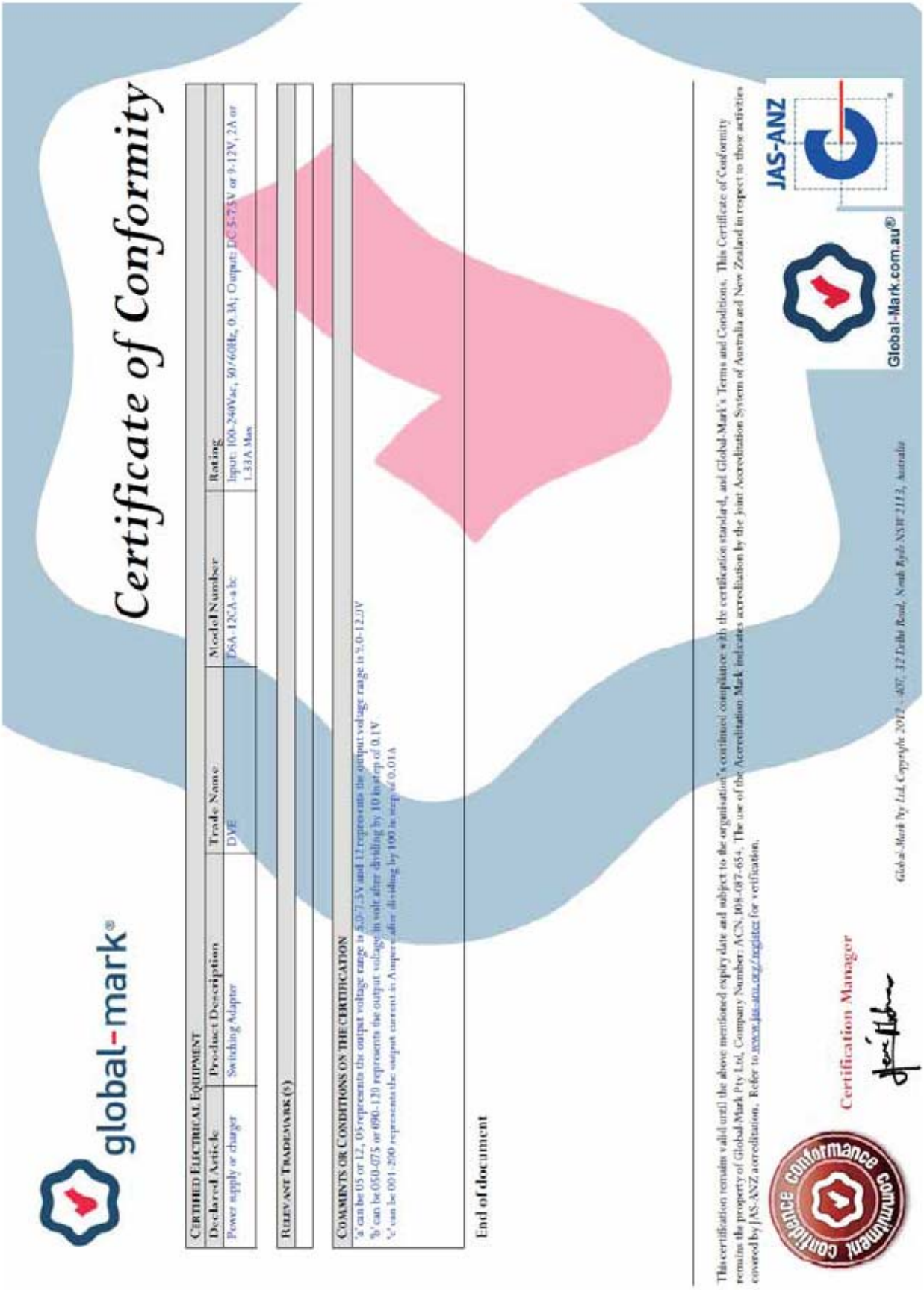
Global-Mark Pty Ltd, Copyright 2012 - 407, 32 Delhi Road, North Ryde NSW 2113, Australia

JAS-ANZ

Global-Mark.com.au®

conformance continuance confidence

6. SAFETY LICENSE(SAA)



global-mark®

Certificate of Conformity

CERTIFIED ELECTRICAL EQUIPMENT				
Declared Article	Product Description	Trade Name	Model Number	Rating
Power supply or charger	Switching Adapter	DVE	DSA-12CA-a bc	Input: 100-240Vac, 50/60Hz, 0.3A; Output: DC 5-7.5V or 9-12V, 2A or 1.33A Max

RELEVANT TRADEMARK(S)

COMMENTS OR CONDITIONS ON THE CERTIFICATION
'a' can be 05 or 12, 05 represents the output voltage range is 5.0-7.5V and 12 represents the output voltage range is 9.0-12.0V 'b' can be 050-075 or 090-120 represents the output voltage in volt after dividing by 10 in step of 0.1V 'c' can be 001-200 represents the output current in Ampere after dividing by 100 in steps of 0.01A

End of document

This certification remains valid until the above mentioned expiry date and subject to the organisation's continued compliance with the certification standard, and Global-Mark's Terms and Conditions. This Certificate of Conformity remains the property of Global Mark Pty Ltd, Company Number: ACN 108 487 654. The use of the Accreditation Mark indicates accreditation by the Joint Accreditation System of Australia and New Zealand in respect to those activities covered by JAS-ANZ accreditation. Refer to www.jas-anz.org/register for verification.

Certification Manager

Global-Mark Pty Ltd, Copyright 2012 - 407, 32 Delhi Road, North Ryde NSW 2113, Australia

JAS-ANZ

Global-Mark.com.au®

conformance conformité

6.SAFETY LICENSE(RCM)

The RCM LETTER OF AUTHORISATION

(For the RCM Compliance under ACMA)
-Australian Communications and Media Authority

Certificate No.: RCMC15066203

09 Jun 2015

TO: Dee Van Enterprise Co., Ltd
Address: No.5 Pao-Kao Road, Hsin - Tien City, Taipei 231,Taiwan

Product	Model	Trademark/Brand	Compliance Marking Under ACMA
Switching Adapter	**DSA-12CA-a bc (a=05or12; b=050-075 or 090-120; c=001-200)**	**DVE**	E822 (Mark of Code is optional)

This letter authorises, to label the product(s) listed above, with the RCM (Regulatory Compliance Mark) as shown above, subject to the following conditions:

1. This is to certified that product(s) listed, comply with ACMA mandated standards and the labelling notice under ACMA arrangement. To mark RCM on this product, it is necessary that the supplier should also hold and maintain an Australian Electrical Safety Certificate and/or conduct EESS registration.
2. The units supplied are identical to those described in the compliance folder held by ARR AUSTRALIA Pty Ltd.
3. If there is any inspection conducted by government, the supplier agrees to give ARR AUSTRALIA Pty Ltd the names and addresses of all Australian importers.
4. Any modification to the listed product(s) voids this authorisation.
5. This authorisation pertains only to the product(s) listed above.
6. The labelling and supply of the product with the RCM (Regulatory Compliance Mark) is agreed with the above conditions.

Harvey

On behalf of AusRCM Compliance

83 Northern Road , Heidelberg West ,Melbourne, VIC 3081.Australia

6.SAFETY LICENSE(RCM)

Supplier's declaration of conformity

Australian Government | acma Australian Communications and Media Authority

For compliance levels 1, 2 and 3 in Australia

As required by the following Notices:

- *Radiocommunications Devices (Compliance Labelling) Notice 2003* made under section 182 of the *Radiocommunications Act 1992*;
- *Radiocommunications Labelling (Electromagnetic Compatibility) Notice 2008* made under section 182 of the *Radiocommunications Act 1992*
- *Radiocommunications (Compliance Labelling – Electromagnetic Radiation) Notice 2003* made under section 182 of the *Radiocommunications Act 1992* and
- *Telecommunications Labelling (Customer Equipment and Customer Cabling) Notice 2001* made under section 407 of the *Telecommunications Act 1997*.

Instructions for completion

- ***Do not return this form to the ACMA.*** This completed form must be retained by the supplier as part of the documentation required for the compliance records and must be made available for inspection by the ACMA when requested.

Supplier's details

Company Name (OR INDIVIDUAL)

Dee Van Enterprise Co., Ltd

TRADING AS -

Street Address

No.5 Pao-Kao Road
Hsin - Tien City, Taipei ,Taiwan
POSTCODE 231

ACMA supplier code number
(issued by the ACMA prior to 1 March 2013)

N/A, Overseas

OR

ABN

N/A, Overseas

Australian Authorised Responsible Representative under ACMA

Company Name (OR INDIVIDUAL)

ARR Australia Pty Ltd

TRADING AS -

Street Address

83 Northern Road,
Heidelberg west, VIC , Australia
POSTCODE 3081

ACMA registered supplier code number

E822

OR

ABN

31 164 866 586

ACMA form – C02 Page 1 of 2 March 2014

6.SAFETY LICENSE(RCM)

Product details

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

Product: Switching Adapter
Brand name: DVE
Model : DSA-12CA-a bc(a=05or12;b=050-075 or 090-120;c=001-200)

Compliance

The above mentioned product complies with the requirements of the relevant ACMA Standards made under the *Radiocommunications Act 1992* and the *Telecommunications Act 1997*. These Standards are referenced in notices made under *section 182 of the Radiocommunications Act and 407 of the Telecommunications Act*.

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

The assessment of following report(s) is(are) undertaken and it is sufficient to show the evidence of
compliance with Australian Communications & Media Authority's requirements for standard(s):
AS/NZS CISPR 22:2009+A1:2010
Test report : ESTE-C1505007
Tested by EST Technology Co., Ltd.

Declaration

I hereby declare that the contents of this form are true and correct, that the product mentioned above complies with the relevant above mentioned standards and all products supplied under this declaration will be identical to the product identified above.

Note: Under section 137.1 of the *Criminal Code Act 1995*, it is an offence to knowingly provide false or misleading information to a Commonwealth entity.
Penalty: 12 months imprisonment

SIGNATURE Harvey	Compliance Manager ARR AUSTRALIA Pty Ltd
PRINT NAME Harvey Junlu	DATE 09 Jun 2015

The Privacy Act 1988 (Cth) (the Privacy Act) imposes obligations on the ACMA in relation to the collection, security, quality, access, use and disclosure of personal information. These obligations are detailed in the Australian Privacy Principles.

The ACMA may only collect personal information if it is reasonably necessary for, or directly related to, one or more of the ACMA's functions or activities.

The purpose of the collection of the personal information in this form is to ensure the supplier is identified in the 'Declaration of conformity'. This information is required under the following notices:

- Radiocommunications Devices (Compliance Labelling) Notice 2003 made under section 182 of the *Radiocommunications Act 1992*
- Radiocommunications Labelling (Electromagnetic Compatibility) Notice 2008 made under section 182 of the *Radiocommunications Act 1992*
- Radiocommunications (Compliance Labelling—Electromagnetic Radiation) Notice 2003 made under section 182 of the *Radiocommunications Act 1992*
- Telecommunications Labelling (Customer Equipment and Customer Cabling) Notice 2001 made under section 407 of the *Telecommunications Act 1997*.

If you do not provide the information, a compliance label is not able to be applied.

Further information on the Privacy Act and the ACMA's Privacy Policy is available at www.acma.gov.au/privacypolicy. The Privacy Policy contains details about how you may access personal information about you that is held by the ACMA, and seek the correction of such information. It also explains how you may complain about a breach of the Privacy Act and how we will deal with such a complaint.

Should you have any questions in this regard, please contact the ACMA's privacy contact officer on telephone on 1800 226 667 or by email at privacy@acma.gov.au.

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6. SAFETY LICENSE(BIS) -- 35 / 37

भारतीय मानक ब्यूरो
(उपभोक्ता मामले, खाद्य एवं सार्वजनिक वितरण मंत्रालय, भारत सरकार)
BUREAU OF INDIAN STANDARDS
(Ministry of Consumer Affairs, Food & Public Distribution, Govt. of India)

मानक भवन, 9 बहादुरशाह ज़फर मार्ग, नई दिल्ली-110002
Manak Bhavan, 9 Bahadur Shah Zafar Marg, New Delhi-110002
दूरभाष Phones : 2323 0131 / 2323 3375 / 2323 9402
वेबसाईट Website : www.bis.org.in

Our Ref : CMD 5/CRS 2015-0705/R-41016780 09 Jul 2015

Subject : Grant of Registration

M/S. DEE VAN ELECTRONICS (LONGCHUAN) CO.,LTD. MEICUN INDUSTRIAL ZONE, LONG CHUAN COUNTY, HEYUAN CITY, GUANG DONG CHINA	**Indian Representative :** Mr. Harish Kandpal 135/24, Gl. No.64, Sant Nagar Delhi (India)

Dear Sir,

1. With reference to your Application, we are pleased to inform you that it has been decided to grant you registration as per details given below :

Product	POWER ADAPTER FOR IT EQUIPMENT
IS No. & Year	13252 (Part 1):2010
Brand(s)	LOGITECH
Model(s)	DSA-12CA-12 120100
Factory Address	M/S. DEE VAN ELECTRONICS (LONGCHUAN) CO.,LTD. MEICUN INDUSTRIAL ZONE, LONG CHUAN COUNTY, HEYUAN CITY, GUANG DONG CHINA

2. The Registration is being granted for your unit located at the address and for the brand and models mentioned at serial no 1 above.

3. The number assigned to this Registration is **R-41016780**which has been made operative from **07 Jul 2015** and is valid upto **06 Jul 2017.** The Registration Number should invariably be referred to in your future correspondence.

4. The rights and privileges under the registration shall not be exercised by any other factory / organization at any other location. This registration is not transferable. In the event of shifting of the manufacturing machinery from the registered premises to some other place use of the Registration Number shall be stopped and BIS shall be informed.

5. You shall comply with the provisions of Bureau of Indian Standards Act, 1986 and Rules and Regulations framed there under and as amended from time to time.

6. You shall apply self declaration on articles on those articles for which registration has been granted. You shall display the words **"Self Declaration – Conforming to IS 13252 (Part 1):2010, R-41016780"** both on product and packaging as per stipulated Labeling Requirements enclosed at Annexure-I. You may also refer to Order for Labeling requirements ref. BIS/DGO/(405) dated 31 July 2014 available on BIS website to a prominent place on the product.

Reena Garg
10/7/15

6. SAFETY LICENSE(BSMI)

經 濟 部 標 準 檢 驗 局
BUREAU OF STANDARDS METROLOGY AND INSPECTION
MINISTRY OF ECONOMIC AFFAIRS

商 品 驗 證 登 錄 證 書
CERTIFICATE OF THE REGISTRATION OF PRODUCT CERTIFICATION

證書號碼： CI339060500606 號 99
Certificate No.

茲據 帝聞企業股份有限公司 申請驗證登錄，經審查結果符合規定，准予登錄並使用商品安全標章 及識別號碼： R33050 。其登錄事項如下：
The application made by for Registration of Product
Certification has been reviewed and found to be in compliance with related regulations. Therefore, registration is granted with the Product Safety Mark and the Identification No. R33050 . Details of the registration are follows :

申 請 人 ：帝聞企業股份有限公司 統一編號：11491382
Applicant Uniform No.

地 址 ：新北市新店區寶高路5號
Address

生產廠場 ：詳如附表
Factory

廠 址 ：詳如附表
Factory Address

商品種類名稱：
Type/name of product 8504.40.91.00.7
商品分類號列：
C.C.C Code

中文名稱 ：交換式電源供應器
Chinese name

英文名稱 ：Switching Adapter
English name

型 式：DSA-12CA-05 050080
Type

系列型式 ：詳如附表
Series of the type

依據標準 ：CNS14336-1（99年版）、CNS13438（95年完整版）
Standards

標準檢驗局或所屬分局發證
（本證書經驗證機關使用鋼印後生效）
This certificate shall be issued by the BSMI or its branches.
(This certificate will become effective only when stamped with the BSMI seal.)

登錄日期：中華民國	099	年	12	月	03	日
Registration Date	2010	(year)	12	(month)	03	(day)
本證書有效期限至	105	年	12	月	02	日
Expiration Date	2016	(year)	12	(month)	02	(day)
發證日期：中華民國	102	年	09	月	18	日
Date of issue	2013	(year)	09	(month)	18	(day)

註1：持本證書進口驗證登錄商品時，進口人須與本證書名義人相同。
註2：次年度商品驗證登錄年費繳納期限為當年11月30日，逾期未繳納者，經限期繳納屆期未繳納，即依商品檢驗法第42條第7款規定廢止驗證登錄，並自次年度1月1日起生效。

第1頁 ， 共7頁

6. SAFETY LICENSE(BSMI)

經 濟 部 標 準 檢 驗 局
BUREAU OF STANDARDS METROLOGY AND INSPECTION
MINISTRY OF ECONOMIC AFFAIRS

商 品 驗 證 登 錄 證 書
CERTIFICATE OF THE REGISTRATION OF PRODUCT CERTIFICATION

證書號碼： CI339060500606 號 99
Certificate No.

系列型式： DSA-12CA-12 120100
Series of the type

（以下空白）

BSMI

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7. CHINA ROHS INSTRUCTIONS

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)	六价鉻(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在SJ/T 11363-2006標准規定的限量要求)
(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標准規定的限量要求)

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)