

Desk Top Switching Adapter Series

DSA-0251-05 (Full range input)

DSA-030X-XX series (Full range input)



DSA-0251-05 115x62x34mm

Safety : UL/CUL, TUV, CE, T-Mark,
BSMI, CB



DSA-030X-XX 103x75x32mm

Safety : UL/CUL, CSA, TUV, CE, T-Mark,
BSMI, CB, CCIB

Input Specification:

Efficiency	70 %
Operation Temperature	0 ~ 40 °C
Storage Temperature	-40 ~ 70 °C
Humidity, Non-condensing	10 ~ 90 %

Input Specification:

Voltage Range	90 ~ 264VAC
Rated Voltage	100 ~ 240VAC
Frequency	50 ~ 60 Hz

Electrical Specification:

Model No	Output Voltage/Current	Line regulation	Load regulation	Ripple & noise	Safety approval				
DSA-0251-05	5.0V/ 5.00A	± 2 %	± 5 %	50mV	UL/CUL, BSMI, TUV-GS, CB CE, C-TICK, T-MARK				
DSA-0301-05	5.0V/ 4.00A	± 2 %	± 5 %	80mV	EK, CCIB, SAA, FCC	T-MARK	BSMI	TUV-GS CE	UL/CUL CSA CB
DSA-0301-12	12V/ 2.50A	± 2 %	± 5 %	150mV	SAA	PSE	BSMI		
DSA-0301-16	16V/ 1.88A	± 2 %	± 5 %	200mV	FCC				
DSA-0301-18	18V/ 1.66A	± 2 %	± 5 %	200mV					
DSA-0301-24	24V/ 1.25A	± 2 %	± 5 %	200mV					
DSA-0302-01	5V/2.5A, 12V/1.5A	± 2 %	± 5 %	80/150mV			BSMI		
DSA-0303-01	5V/2A, 12V/1.5 , -12/0.3	± 2 %	± 5 %	80/150mV					
DSA-0303-02	5V/2.4, 12V/1.0, -12/0.5	± 2 %	± 5 %	150mV					
DSA-0303-03	5V/1.5, 12V/0.25, -12/0.5	± 2 %	± 5 %	200mV	C-TICK				
DSA-0303-04	5V/1.0, 12V/1.5, -5/0.1	± 2 %	± 5 %	200mV					
DSA-0303-04A	5V/2.5, 12V/1.2, -5/0.25	± 2 %	± 5 %	200mV					

DEE VAN ENTERPRISE CO., LTD

SWITCHING POWER SUPPLY SPECIFICATION

MODEL NO. : DSA-0251-05

ISSUE DATE : 22nd NOV'2000

SPEC REV. : A

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1. **INPUT VOLTAGE** : 90 ~ 264VAC 47 ~ 63Hz 0.7A MAX

INPUT : 115VAC OUTPUT : FULL LOAD 0.5A

INPUT : 230VAC OUTPUT : FULL LOAD 0.3A

OUTPUT VOLTAGE

OUTPUT VOLTAGE	MIN. LOAD	MAX. LOAD
+5.0V	0.5A	5A

2. **INRUSH CURRENT**

THE INRUSH CURRENT WILL NOT EXCEED 30A AT 115VAC OR 60A AT 230VAC

INPUT , COLD START 25°C .

3. **LOAD REGULATION**

THE LOAD REGULATION ARE LESS THEN $\pm 5\%$ AND FOR +5V OUTPUT.

4. **LINE REGULATION**

THE LINE REGULATION IS LESS THEN 2% FOR +5V OUTPUT.

5. **RIPPLE & NOISE**

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NOISE TEST FREQUENCY 20MHz. ALL OUTPUT BYPASS A 0.1//10 μ F CAP TO GND.

INPUT VOLTAGE 115VAC FULL LOAD.

OUTPUT VOLTAGE +5.0VDC : 50mV V_{p-p} MAX

6. **EFFICIENCY** : THE EFFICIENCY SHALL BE 70%(MIN) AT INPUT VOLTAGE 115/230VAC
MASURED WITH FULL LOAD.

7. **HOLD UP TIME**

15 msec MIN AT INPUT VOLTAGE 115/230VAC MASURED WITH FULL LOAD.

8. **PROTECTION** : SHORT PROTECTION : Y (Y/N)

(AUTO RECOVER) THE POWER SUPPLY SHALL SWITCH OFF WITHIN 20 msec

ALL OUTPUTS SHOULD NOT EXCEED THEIR LIMIT.

THE POWER SUPPLY SHALL RETURN TO NORMAL OPERATION
AFTER THE SHORT CIRCUIT HAS BEEN REMOVED.

REFER TO FIGURE 1 FOR TIMING DIAGRAM.

OVER VOLTAGE PROTECTION : Y (Y/N)

DEE VAN ENTERPRISE CO., LTD

SWITCHING POWER SUPPLY SPECIFICATION

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9. HI-POT TEST

9-1 PRIMARY TO SECONDARY

3000VAC 10mA 1SEC

9-2 PRIMARY TO FG

1800VAC 10mA 1SEC

10. LEAKAGE CURRENT :

INPUT 110VAC

OUTPUT FULL LOAD

LEAKAGE CURRENT 0.25mA MAX

TEST LEAKAGE CURRENT 0.13mA OK

11. DIMENTION : LENGTH x WIDTH x HEIGHT : 110mm x 60mm x 30mm

12. ENVIRONMENTAL : OPERATION TEMPERATURE : +0°C ~ +40°C

STORAGE TEMPERATURE : -40°C ~ +70°C

13. SAFETY STANDARDS

13-1 DESIGNED TO MEET THE STANDARDS : UL/CUL/T-MARK/TUV/CE

14. EMI STANDARDS

14-1 DESIGNED TO MEET THE STANDARDS : FCC CLASS B , BISPR CLASS B

DEE VAN ENTERPRISE CO., LTD.

SWITCHING POWER SUPPLY SPECIFICATION

MODEL NO. : DSA-0301-05

SPEC REV. : D

ISSUE DATE : 13rd JULY'2001

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1. INPUT

- 1-1 AC INPUT VOLTAGE : 100 TO 240 VAC
- 1-2 AC INPUT FREQUENCY : 47 TO 63 Hz
- 1-3 AC INPUT CURRENT : 0.70 AMP (RMS) MAX. FOR 115 VAC
0.35 AMP (RMS) MAX. FOR 230 VAC
- 1-4 AC INRUSH CURRENT : 30A PEAK. FOR 115VAC
50A PEAK. FOR 230VAC

2. OUTPUT

- 2-1 OUTPUT VOLTAGE : DC + 5 V
- 2-2 CURRENT : 4.00A
- 2-3 RIPPLE AND NOISE : 50 mV_{p-p} MAX.
- 2-4 VOLTAGE REGULATION : +/- 5%

3. OVERALL PERFORMANCE

- 3-1 TOTAL OUTPUT POWER : 20 W
- 3-2 EFFICIENCY : 70 % MIN. AT 115VAC , 60Hz , MAX. LOAD
- 3-3 HOLD UP TIME : 8 mSEC. MIN. AT 115VAC , 60Hz , MAX. LOAD
- 3-4 RISE TIME : 100 mSEC. MAX.
- 3-5 LEAKAGE CURRENT : 0.75 mA MAX.

4. PROTECTION

- 4-1 OVER-CURRENT PROTECTION : SHORT CIRCUIT
- 4-2 OVER-VOLTAGE PROTECTON : 7 V . MAX.

5. ENVIRONMENTAL

- 5-1 OPERATING TEMPERATURE : 0 °C ~ 40 °C
- 5-2 STORAGE TEMPERATURE : -40 °C ~ 70 °C
- 5-3 OPERATING HUMIDITY : 10~90 % RH. NON-CONDESING
- 5-4 STORAGE HUMIDITY : 5~95 % RH. NON-CONDESING

DEE VAN ENTERPRISE CO., LTD.

SWITCHING POWER SUPPLY SPECIFICATION

MODEL NO. : DSA-0301-05

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6. SAFTY STANDARDS

6-1 T-MARK

6-2 UL 1950, 1995

6-3 CSA C22.2 950-M1995

6-4 EN60950, 1995, INCLUDE NATIONAL DECIATIONS, TUV

6-5 IEC950, 1995, INCLUDE NATIONAL DECIATIONS

CB REPORT AND CERTIFICATE

6-6 LOW VOLTAGE DIRECTIVE 73/23/EEC, CE MARKING

7. DIELETRIC WITHSTAND TEST

7-1 INPUT TO OUTPUT : 1800 V_{rms} , 10 mA , 1 MIN

7-2 INPUT TO SAFTY GND : 1800 V_{rms} , 10 mA , 1 MIN

8. WARRANTY : 15 MONTHS

9. LIFE TIME OF POWER SUPPLY : 5YEARS

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10. REVISION CONTROL

AFTER GOT CUSTOMER'S AGREEMENT OR APPROVAL FOR ANY MODIFICATION, DVE WILL HAVE A REVISION LABEL ON POWER SUPPLY TO CONTROL ANY MODIFICATION OF THE POWER SUPPLY.

11. COMPONENTS CONTROL

BEFORE ANY MODIFICATION, DVE WILL ISSUE A ECR FORM TO CUSTOMER. DVE WILL START TO MODIFY AFTER GETTING CUSTOMER'S APPROVAL.

12. RELIABILITY

12-1 MTBF: 150,000 HRS MIN.

12-2 BURN IN : 4 HRS , 45 +/- 5°C , MAX. LOAD , 115 VAC , 60 Hz

DEE VAN ENTERPRISE CO., LTD.

SWITCHING POWER SUPPLY SPECIFICATION

MODEL NO. : DSA-0301-12A

SPEC REV. : 1

ISSUE DATE : 04-27-98

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1. INPUT

- 1-1 AC INPUT VOLTAGE : 90 TO 264 VAC
- 1-2 AC INPUT FREQUENCY : 47 TO 63 Hz
- 1-3 AC INPUT CURRENT : 0.70 AMP (RMS) MAX. FOR 115 VAC
0.35 AMP (RMS) MAX. FOR 230 VAC
- 1-4 AC INRUSH CURRENT : NO DAMAGE

2. OUTPUT

- 2-1 OUTPUT VOLTAGE : + 12.5 V
- 2-2 TOTAL REGULATION : $\pm 5\%$
- 2-3 MIN LOAD CURRENT : 0.0 A
- 2-4 MAX LOAD CURRENT : 2.0 A
- 2-5 RIPPLE AND NOISE : 120mVp-p

*1. NOISE TEST FREQUENCY AT 20 MHz

EACH OUTPUT BYPASS A 0.1 μ F & 10 μ F CAPACITORS TO GND

2. NO DAMAGE DURING NO-LOAD OPERATION.

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3. OVERALL PERFORMANCE

- 3-1 TOTAL OUTPUT POWER : 30 W
- 3-2 EFFICIENCY : 60 % MIN. AT 115VAC , 60 Hz , MAX. LOAD
- 3-3 HOLD UP TIME : 8 mSEC. MIN. AT 115VAC , 60 Hz , MAX. LOAD
- 3-4 RISE TIME : 100 mSEC. MAX.

4. PROTECTION

- 4-1 OVER-CURRENT PROTECTION : SHORT CIRCUIT PROTECTION
- 4-2 OVER-VOLTAGE PROTECTON : 15 V . MAX. (ON +5V OUTPUT)
- 4-3 TOTAL POWER PROTECTION

DEE VAN ENTERPRISE CO., LTD.

SWITCHING POWER SUPPLY SPECIFICATION

MODEL NO. : DSA-0301-12A

ISSUE DATE : 04-27-98

SPEC REV. : 1

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5. ENVIRONMENTAL

5-1 OPERATING TEMPERATURE : 0 °C ~ 40 °C

5-2 STORAGE TEMPERATURE : -40 °C ~ 70 °C

5-3 OPERATING HUMIDITY : 10~90 % RH. NON-CONDESING

5-4 STORAGE HUMIDITY : 5~95 % RH. NON-CONDESING

5-5 MECHANICAL SIZE : 130 (L) x 75 (W) x 32 (H) mm

6. SAFTY STANDARDS

6-1 DESIGNED TO MEET THE STANDARD : UL , CSA , TUV

7. DIELETRIC WITHSTAND TEST (HI-POT)

7-1 INPUT TO OUTPUT : 1800 Vrms , 10 mA , 1 SECOND

7-2 INPUT TO SAFTY GND : 1800 Vrms , 10 mA , 1 SECOND

7-3 LEAKAGE CURRENT : 0.75 mA MAX.

8. RELIABILITY

8-1 BURN IN : 4 HRS , 45 +/- 5°C , MAX. LOAD , 115 VAC , 60 Hz

DEE VAN ENTERPRISE CO., LTD.

SWITCHING POWER SUPPLY SPECIFICATION

MODEL NO. : DSA-0301-16
SPEC REV. : 1

ISSUE DATE : 23rd AUG'2002
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1. INPUT

- 1-1 AC INPUT VOLTAGE : 90 TO 264 VAC
- 1-2 AC INPUT FREQUENCY : 47 TO 63 Hz
- 1-3 AC INPUT CURRENT : 0.70 AMP (RMS) MAX. FOR 115 VAC
0.35 AMP (RMS) MAX. FOR 230 VAC
- 1-4 AC INRUSH CURRENT : NO DAMAGE

2. OUTPUT

- 2-1 OUTPUT VOLTAGE : + 16 V
- 2-2 TOTAL REGULATION : +/- 5 %
- 2-3 MIN LOAD CURRENT : 0.0 A
- 2-4 MAX LOAD CURRENT : 1.88 A
- 2-5 RIPPLE AND NOISE : 150 mVp-p

*1. NOISE TEST FREQUENCY AT 20 MHz

EACH OUTPUT BYPASS A 0.1 μ F & 10 μ F CAPACITORS TO GND

2. NO DAMAGE DURING NO-LOAD OPERATION.

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3. OVERALL PERFORMANCE

- 3-1 TOTAL OUTPUT POWER : 30 W
- 3-2 EFFICIENCY : 60 % MIN. AT 115VAC , 60 Hz , MAX. LOAD
- 3-3 HOLD UP TIME : 8 mSEC. MIN. AT 115VAC , 60 Hz , MAX. LOAD
- 3-4 RISE TIME : 100 mSEC. MAX.

4. PROTECTION

- 4-1 OVER-CURRENT PROTECTION : SHORT CIRCUIT PROTECTION
- 4-2 OVER-VOLTAGE PROTECTION : 18 V MAX.
- 4-3 TOTAL POWER PROTECTION

DEE VAN ENTERPRISE CO., LTD.

SWITCHING POWER SUPPLY SPECIFICATION

MODEL NO. : DSA-0301-16

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5. ENVIRONMENTAL

5-1 OPERATING TEMPERATURE : 0 °C ~ 40 °C

5-2 STORAGE TEMPERATURE : -40 °C ~ 70 °C

5-3 OPERATING HUMIDITY : 10~90 % RH. NON-CONDENSATION

5-4 STORAGE HUMIDITY : 5~95 % RH. NON-CONDENSATION

5-5 MECHANICAL SIZE : 130 (L) x 75 (W) x 32 (H) mm

6. SAFETY STANDARDS

6-1 DESIGNED TO MEET THE STANDARD : UL , CSA , TUV

7. DIELECTRIC WITHSTAND TEST (HI-POT)

7-1 INPUT TO OUTPUT : 1800 Vrms , 10 mA , 1 SECOND

7-2 INPUT TO SAFETY GND : 1800 Vrms , 10 mA , 1 SECOND

7-3 LEAKAGE CURRENT : 0.75 mA MAX.

8. RELIABILITY

8-1 BURN IN : 4 HRS , 45 +/- 5°C , MAX. LOAD , 115 VAC , 60 Hz

DEE VAN ENTERPRISE CO., LTD.

SWITCHING POWER SUPPLY SPECIFICATION

MODEL NO. : DSA-0301-18
SPEC REV. : 1

ISSUE DATE : 23rd AUG'2002
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1. INPUT

- 1-1 AC INPUT VOLTAGE : 90 TO 264 VAC
- 1-2 AC INPUT FREQUENCY : 47 TO 63 Hz
- 1-3 AC INPUT CURRENT : 0.70 AMP (RMS) MAX. FOR 115 VAC
0.35 AMP (RMS) MAX. FOR 230 VAC
- 1-4 AC INRUSH CURRENT : NO DAMAGE

2. OUTPUT

- 2-1 OUTPUT VOLTAGE : + 18 V
- 2-2 TOTAL REGULATION : +/- 5 %
- 2-3 MIN LOAD CURRENT : 0.0 A
- 2-4 MAX LOAD CURRENT : 1.66 A
- 2-5 RIPPLE AND NOISE : 120 mVp-p

*1. NOISE TEST FREQUENCY AT 20 MHz

EACH OUTPUT BYPASS A 0.1 μ F & 10 μ F CAPACITORS TO GND

2. NO DAMAGE DURING NO-LOAD OPERATION.

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3. OVERALL PERFORMANCE

- 3-1 TOTAL OUTPUT POWER : 30 W
- 3-2 EFFICIENCY : 60 % MIN. AT 115VAC , 60 Hz , MAX. LOAD
- 3-3 HOLD UP TIME : 8 mSEC. MIN. AT 115VAC , 60 Hz , MAX. LOAD
- 3-4 RISE TIME : 100 mSEC. MAX.

4. PROTECTION

- 4-1 OVER-CURRENT PROTECTION : SHORT CIRCUIT PROTECTION
- 4-2 OVER-VOLTAGE PROTECTION : 18 V MAX. (ON +5V OUTPUT)
- 4-3 TOTAL POWER PROTECTION

DEE VAN ENTERPRISE CO., LTD.

SWITCHING POWER SUPPLY SPECIFICATION

MODEL NO. : DSA-0301-16

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5. ENVIRONMENTAL

5-1 OPERATING TEMPERATURE : 0 °C ~ 40 °C

5-2 STORAGE TEMPERATURE : -40 °C ~ 70 °C

5-3 OPERATING HUMIDITY : 10~90 % RH. NON-CONDENSATION

5-4 STORAGE HUMIDITY : 5~95 % RH. NON-CONDENSATION

5-5 MECHANICAL SIZE : 130 (L) x 75 (W) x 32 (H) mm

6. SAFETY STANDARDS

6-1 DESIGNED TO MEET THE STANDARD : UL , CSA , TUV

7. DIELECTRIC WITHSTAND TEST (HI-POT)

7-1 INPUT TO OUTPUT : 1800 Vrms , 10 mA , 1 SECOND

7-2 INPUT TO SAFETY GND : 1800 Vrms , 10 mA , 1 SECOND

7-3 LEAKAGE CURRENT : 0.75 mA MAX.

8. RELIABILITY

8-1 BURN IN : 4 HRS , 45 +/- 5°C , MAX. LOAD , 115 VAC , 60 Hz

DEE VAN ENTERPRISE CO., LTD.

SWITCHING POWER SUPPLY SPECIFICATION

MODEL NO. : DSA-0301-24
SPEC REV. : 1

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1. INPUT

- 1-1 AC INPUT VOLTAGE : 90 TO 264 VAC
- 1-2 AC INPUT FREQUENCY : 47 TO 63 Hz
- 1-3 AC INPUT CURRENT : 0.70 AMP (RMS) MAX. FOR 115 VAC
0.35 AMP (RMS) MAX. FOR 230 VAC
- 1-4 AC INRUSH CURRENT : NO DAMAGE

2. OUTPUT

- 2-1 OUTPUT VOLTAGE : + 24 V
- 2-2 TOTAL REGULATION : +/- 5 %
- 2-3 MIN LOAD CURRENT : 0.0 A
- 2-4 MAX LOAD CURRENT : 1.25 A
- 2-5 RIPPLE AND NOISE : 120 mVp-p

*1. NOISE TEST FREQUENCY AT 20 MHz

EACH OUTPUT BYPASS A 0.1 μ F & 10 μ F CAPACITORS TO GND

2. NO DAMAGE DURING NO-LOAD OPERATION.

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3. OVERALL PERFORMANCE

- 3-1 TOTAL OUTPUT POWER : 30 W
- 3-2 EFFICIENCY : 60 % MIN. AT 115VAC , 60 Hz , MAX. LOAD
- 3-3 HOLD UP TIME : 8 mSEC. MIN. AT 115VAC , 60 Hz , MAX. LOAD
- 3-4 RISE TIME : 100 mSEC. MAX.

4. PROTECTION

- 4-1 OVER-CURRENT PROTECTION : SHORT CIRCUIT PROTECTION
- 4-2 OVER-VOLTAGE PROTECTION : 27 V MAX. (ON +5V OUTPUT)
- 4-3 TOTAL POWER PROTECTION

DEE VAN ENTERPRISE CO., LTD.

SWITCHING POWER SUPPLY SPECIFICATION

MODEL NO. : DSA-0301-24

ISSUE DATE : 23rd AUG'2002

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5. ENVIRONMENTAL

5-1 OPERATING TEMPERATURE : 0 °C ~ 40 °C

5-2 STORAGE TEMPERATURE : -40 °C ~ 70 °C

5-3 OPERATING HUMIDITY : 10~90 % RH. NON-CONDENSATION

5-4 STORAGE HUMIDITY : 5~95 % RH. NON-CONDENSATION

5-5 MECHANICAL SIZE : 130 (L) x 75 (W) x 32 (H) mm

6. SAFETY STANDARDS

6-1 DESIGNED TO MEET THE STANDARD : UL , CSA , TUV

7. DIELECTRIC WITHSTAND TEST (HI-POT)

7-1 INPUT TO OUTPUT : 1800 Vrms , 10 mA , 1 SECOND

7-2 INPUT TO SAFETY GND : 1800 Vrms , 10 mA , 1 SECOND

7-3 LEAKAGE CURRENT : 0.75 mA MAX.

8. RELIABILITY

8-1 BURN IN : 4 HRS , 45 +/- 5°C , MAX. LOAD , 115 VAC , 60 Hz

DEE VAN ENTERPRISE CO., LTD.

SWITCHING POWER SUPPLY SPECIFICATION

MODEL NO. : DSA-0302-01

ISSUE DATE : 23rd AUG'2002

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1. INPUT

- 1-1 AC INPUT VOLTAGE : 90 TO 264 VAC
- 1-2 AC INPUT FREQUENCY : 47 TO 63 Hz
- 1-3 AC INPUT CURRENT : 0.70 AMP (RMS) MAX. FOR 115 VAC
0.35 AMP (RMS) MAX. FOR 230 VAC
- 1-4 AC INRUSH CURRENT : NO DAMAGE

2. OUTPUT

- 2-1 OUTPUT VOLTAGE : + 5 V +12V
- 2-2 TOTAL REGULATION : +/- 5 % +/- 5 %
- 2-3 MIN LOAD CURRENT : 0.3 A 0.3 A
- 2-4 MAX LOAD CURRENT : 2.5 A 1.5 A
- 2-5 RIPPLE AND NOISE : 80 mVp-p 120 mVp-p

*1. NOISE TEST FREQUENCY AT 20 MHz

EACH OUTPUT BYPASS A 0.1 μ F & 10 μ F CAPACITORS TO GND

2. NO DAMAGE DURING NO-LOAD OPERATION.

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3. OVERALL PERFORMANCE

- 3-1 TOTAL OUTPUT POWER : 30 W
- 3-2 EFFICIENCY : 60 % MIN. AT 115VAC , 60 Hz , MAX. LOAD
- 3-3 HOLD UP TIME : 8 mSEC. MIN. AT 115VAC , 60 Hz , MAX. LOAD
- 3-4 RISE TIME : 100 mSEC. MAX.

4. PROTECTION

- 4-1 OVER-CURRENT PROTECTION : SHORT CIRCUIT PROTECTION
- 4-2 OVER-VOLTAGE PROTECTION : 7 V MAX. (ON +5V OUTPUT)
- 4-3 TOTAL POWER PROTECTION

DEE VAN ENTERPRISE CO., LTD.

SWITCHING POWER SUPPLY SPECIFICATION

MODEL NO. : DSA-0302-01

ISSUE DATE : 23rd AUG'2002

SPEC REV. : 1

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5. ENVIRONMENTAL

5-1 OPERATING TEMPERATURE : 0 °C ~ 40 °C

5-2 STORAGE TEMPERATURE : -40 °C ~ 70 °C

5-3 OPERATING HUMIDITY : 10~90 % RH. NON-CONDENSATION

5-4 STORAGE HUMIDITY : 5~95 % RH. NON-CONDENSATION

5-5 MECHANICAL SIZE : 130 (L) x 75 (W) x 32 (H) mm

6. SAFETY STANDARDS

6-1 DESIGNED TO MEET THE STANDARD : UL , CSA , TUV

7. DIELECTRIC WITHSTAND TEST (HI-POT)

7-1 INPUT TO OUTPUT : 1800 Vrms , 10 mA , 1 SECOND

7-2 INPUT TO SAFETY GND : 1800 Vrms , 10 mA , 1 SECOND

7-3 LEAKAGE CURRENT : 0.75 mA MAX.

8. RELIABILITY

8-1 BURN IN : 4 HRS , 45 +/- 5°C , MAX. LOAD , 115 VAC , 60 Hz

DEE VAN ENTERPRISE CO., LTD.

SWITCHING POWER SUPPLY SPECIFICATION

MODEL NO. : DSA-0303-01

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5. ENVIRONMENTAL

5-1 OPERATING TEMPERATURE : 0 °C ~ 40 °C

5-2 STORAGE TEMPERATURE : -40 °C ~ 70 °C

5-3 OPERATING HUMIDITY : 10~90 % RH. NON-CONDENSATION

5-4 STORAGE HUMIDITY : 5~95 % RH. NON-CONDENSATION

5-5 MECHANICAL SIZE : 130 (L) x 75 (W) x 32 (H) mm

6. SAFETY STANDARDS

6-1 DESIGNED TO MEET THE STANDARD : UL , CSA , TUV

7. DIELECTRIC WITHSTAND TEST (HI-POT)

7-1 INPUT TO OUTPUT : 1800 Vrms , 10 mA , 1 SECOND

7-2 INPUT TO SAFETY GND : 1800 Vrms , 10 mA , 1 SECOND

7-3 LEAKAGE CURRENT : 0.75 mA MAX.

8. RELIABILITY

8-1 BURN IN : 4 HRS , 45 +/- 5°C , MAX. LOAD , 115 VAC , 60 Hz

DEE VAN ENTERPRISE CO., LTD.

SWITCHING POWER SUPPLY SPECIFICATION

MODEL NO. : DSA-0303-02

ISSUE DATE : 23rd AUG'2002

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5. ENVIRONMENTAL

5-1 OPERATING TEMPERATURE : 0 °C ~ 40 °C

5-2 STORAGE TEMPERATURE : -40 °C ~ 70 °C

5-3 OPERATING HUMIDITY : 10~90 % RH. NON-CONDENSATION

5-4 STORAGE HUMIDITY : 5~95 % RH. NON-CONDENSATION

5-5 MECHANICAL SIZE : 130 (L) x 75 (W) x 32 (H) mm

6. SAFETY STANDARDS

6-1 DESIGNED TO MEET THE STANDARD : UL , CSA , TUV

7. DIELECTRIC WITHSTAND TEST (HI-POT)

7-1 INPUT TO OUTPUT : 1800 Vrms , 10 mA , 1 SECOND

7-2 INPUT TO SAFETY GND : 1800 Vrms , 10 mA , 1 SECOND

7-3 LEAKAGE CURRENT : 0.75 mA MAX.

8. RELIABILITY

8-1 BURN IN : 4 HRS , 45 +/- 5°C , MAX. LOAD , 115 VAC , 60 Hz

4-1 OVER-CURRENT PROTECTION : SHORT CIRCUIT PROTECTION
4-2 OVER-VOLTAGE PROTECTION : 7 V MAX. (ON +5V OUTPUT)
4-3 TOTAL POWER PROTECTION

DEE VAN ENTERPRISE CO., LTD.

SWITCHING POWER SUPPLY SPECIFICATION

MODEL NO. : DSA-0303-03

ISSUE DATE : 23rd AUG'2002

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5. ENVIRONMENTAL

5-1 OPERATING TEMPERATURE : 0 °C ~ 40 °C

5-2 STORAGE TEMPERATURE : -40 °C ~ 70 °C

5-3 OPERATING HUMIDITY : 10~90 % RH. NON-CONDENSATION

5-4 STORAGE HUMIDITY : 5~95 % RH. NON-CONDENSATION

5-5 MECHANICAL SIZE : 130 (L) x 75 (W) x 32 (H) mm

6. SAFETY STANDARDS

6-1 DESIGNED TO MEET THE STANDARD : UL , CSA , TUV

7. DIELECTRIC WITHSTAND TEST (HI-POT)

7-1 INPUT TO OUTPUT : 1800 Vrms , 10 mA , 1 MIN.

7-2 INPUT TO SAFETY GND : 1800 Vrms , 10 mA , 1 MIN.

7-3 LEAKAGE CURRENT : 0.75 mA MAX.

8. RELIABILITY

8-1 BURN IN : 4 HRS , 45 +/- 5°C , MAX. LOAD , 115 VAC , 60 Hz

DEE VAN ENTERPRISE CO., LTD.

SWITCHING POWER SUPPLY SPECIFICATION

MODEL NO. : DSA-0303-04
SPEC REV. : 1

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1. INPUT

1-1 AC INPUT VOLTAGE : 90 TO 264 VAC
1-2 AC INPUT FREQUENCY : 47 TO 63 Hz
1-3 AC INPUT CURRENT : 0.70 AMP (RMS) MAX. FOR 115 VAC
0.35 AMP (RMS) MAX. FOR 230 VAC
1-4 AC INRUSH CURRENT : 30 AMP-PEAK FOR 115 VAC
60 AMP-PEAK FOR 230 VAC
MAX. LOAD , 25 DEG C , COLD START

2. OUTPUT

2-1 OUTPUT VOLTAGE :	+ 5 V	+12V	-5V
2-2 TOTAL REGULATION :	+/- 5 %	+/- 5 %	+/- 10 %
2-3 MIN LOAD CURRENT :	0.2 A	0.2 A	0.0 A
2-4 MAX LOAD CURRENT :	1.0 A	1.5 A	0.1 A
2-5 RIPPLE AND NOISE :	80 mVp-p	120 mVp-p	100 mVp-p

*1. NOISE TEST FREQUENCY AT 20 MHz

EACH OUTPUT BYPASS A 0.1 uF & 10 uF CAPACITORS TO GND

2. NO DAMAGE DURING NO-LOAD OPERATION.

3. OVERALL PERFORMANCE

3-1 TOTAL OUTPUT POWER : 23.5 W
3-2 EFFICIENCY : 62 % MIN. AT 115VAC , 60 Hz , MAX. LOAD
3-3 HOLD UP TIME : 8 mSEC. MIN. AT 115VAC , 60 Hz , MAX. LOAD
3-4 RISE TIME : 100 mSEC. MAX.

4. PROTECTION

4-1 OVER-CURRENT PROTECTION : SHORT CIRCUIT PROTECTION
4-2 OVER-VOLTAGE PROTECTION : 7 V MAX. (ON +5V OUTPUT)
4-3 TOTAL POWER PROTECTION

DEE VAN ENTERPRISE CO., LTD.

SWITCHING POWER SUPPLY SPECIFICATION

MODEL NO. : DSA-0303-04

ISSUE DATE : 23rd

AUG'2002

SPEC REV. : 1

PAGE : 2 OF 2

5. ENVIRONMENTAL

5-1 OPERATING TEMPERATURE : 0 °C ~ 40 °C

5-2 STORAGE TEMPERATURE : -40 °C ~ 70 °C

5-3 OPERATING HUMIDITY : 10~90 % RH. NON-CONDENSATION

5-4 STORAGE HUMIDITY : 5~95 % RH. NON-CONDENSATION

5-5 MECHANICAL SIZE : 130 (L) x 75 (W) x 32 (H) mm

6. SAFETY STANDARDS

6-1 DESIGNED TO MEET THE STANDARD : UL , CSA , TUV

7. DIELECTRIC WITHSTAND TEST (HI-POT)

7-1 INPUT TO OUTPUT : 1800 Vrms , 10 mA , 1 SECOND

7-2 INPUT TO SAFETY GND : 1800 Vrms , 10 mA , 1 SECOND

7-3 LEAKAGE CURRENT : 0.75 mA MAX.

www.DataSheet4U.com

8. E. M. I. REQUIREMENT

8-1 DESIGNED TO MEET FCC CLASS B AND/OR CISPR CLASS B.

9. RELIABILITY

9-1 BURN IN : 4 HRS , 45 +/- 5°C , MAX. LOAD , AT115 VAC , 60 Hz
OR 230 VAC , 50 Hz (AS CUSTOMER'S REQUESTED.)

DEE VAN ENTERPRISE CO., LTD.

SWITCHING POWER SUPPLY SPECIFICATION

MODEL NO. : DSA-0303-04 A
SPEC REV. : 1

ISSUE DATE : 23rd AUG'2002
PAGE : 1 OF 2

1. INPUT

1-1 AC INPUT VOLTAGE : 90 TO 264 VAC
1-2 AC INPUT FREQUENCY : 47 TO 63 Hz
1-3 AC INPUT CURRENT : 0.70 AMP (RMS) MAX. FOR 115 VAC
0.35 AMP (RMS) MAX. FOR 230 VAC
1-4 AC INRUSH CURRENT : 30 AMP-PEAK FOR 115 VAC
60 AMP-PEAK FOR 230 VAC
MAX. LOAD , 25 DEG C , COLD START

2. OUTPUT

2-1 OUTPUT VOLTAGE :	+ 5 V	+12V	-5V
2-2 TOTAL REGULATION :	+/- 5 %	+/- 5 %	+/- 10 %
2-3 MIN LOAD CURRENT :	0.2 A	0.2 A	0.0 A
2-4 MAX LOAD CURRENT :	2.5 A	1.2 A	0.25 A
2-5 RIPPLE AND NOISE :	80 mVp-p	120 mVp-p	100 mVp-p

*1. NOISE TEST FREQUENCY AT 20 MHz

EACH OUTPUT BYPASS A 0.1 uF & 10 uF CAPACITORS TO GND

2. NO DAMAGE DURING NO-LOAD OPERATION.

3. OVERALL PERFORMANCE

3-1 TOTAL OUTPUT POWER : 28.5 W
3-2 EFFICIENCY : 62 % MIN. AT 115VAC , 60 Hz , MAX. LOAD
3-3 HOLD UP TIME : 8 mSEC. MIN. AT 115VAC , 60 Hz , MAX. LOAD
3-4 RISE TIME : 100 mSEC. MAX.

4. PROTECTION

4-1 OVER-CURRENT PROTECTION : SHORT CIRCUIT PROTECTION
4-2 OVER-VOLTAGE PROTECTION : 7 V MAX. (ON +5V OUTPUT)
4-3 TOTAL POWER PROTECTION

DEE VAN ENTERPRISE CO., LTD.

SWITCHING POWER SUPPLY SPECIFICATION

MODEL NO. : DSA-0303-04 A

ISSUE DATE : 23rd AUG'2002

SPEC REV. : 1

PAGE : 2 OF 2

5. ENVIRONMENTAL

5-1 OPERATING TEMPERATURE : 0 °C ~ 40 °C

5-2 STORAGE TEMPERATURE : -40 °C ~ 70 °C

5-3 OPERATING HUMIDITY : 10~90 % RH. NON-CONDENSATION

5-4 STORAGE HUMIDITY : 5~95 % RH. NON-CONDENSATION

5-5 MECHANICAL SIZE : 130 (L) x 75 (W) x 32 (H) mm

6. SAFETY STANDARDS

6-1 DESIGNED TO MEET THE STANDARD : UL , CSA , TUV

7. DIELECTRIC WITHSTAND TEST (HI-POT)

7-1 INPUT TO OUTPUT : 1800 Vrms , 10 mA , 1 SECOND

7-2 INPUT TO SAFETY GND : 1800 Vrms , 10 mA , 1 SECOND

7-3 LEAKAGE CURRENT : 0.75 mA MAX.

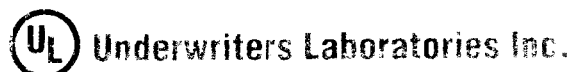
www.DataSheet4U.com

8. E. M. I. REQUIREMENT

8-1 DESIGNED TO MEET FCC CLASS B AND/OR CISPR CLASS B.

9. RELIABILITY

9-1 BURN IN : 4 HRS , 45 +/- 5°C , MAX. LOAD , AT115 VAC , 60 Hz
OR 230 VAC , 50 Hz (AS CUSTOMER'S REQUESTED.)



DEE VAN ENTERPRISE CO LTD
 MS S PAO
 NO 5 PAO-KAO RD
 HSIN-TIEN
 TAIPEI TAIWAN

RE: Project Number(s) - 02NK20504

Your most recent Certification is shown below. You may also view this information, or a portion of this information (depending on the product category), on UL's Online Certifications Directory at www.ul.com/database. Please review the text and contact the Conformity Assessment Services staff member who handled your project if revisions are required. For instructions on placing an order for this information in a 3 x 5-inch format, you may refer to the enclosed order form for UL Card Service.

QQGQ July 17, 2002
 Power Supplies, Information Technology Equipment Including Electrical Business Equipment

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

E135856

AC adapters, Models AC-CS1-U(FUJIFILM), DSA-0072, -0101-05, DSA-0132, DSA-0151-12, -0151-12S, -0151D-05, -0151F-05, -0151F-12, DSA-0182, -0283A, DSA-0301-05, -0301-12, -0301-16, -0301-18, -0301-24, -0302-01, -0303-01, -0303-02, -0303-03, -0303-04, -0303-04A, DSA-1001, DV-51A5R, -51A5RD, -52AR-1, -580R, -1280, -1485AC, -1840WAC, TDS-051211-I-DT, -0182A, 403A, DV-51AAT; Model DSA-0151AD-12, DSA-0151D-12, DSA-0151AD-05, DSA-0251-05, DSA0101A-05A, DSA-0101F-05A.

Direct plug-in power supplies, Models DSA-0151A-XX (where XX can be 05, 06, 065A, 07, 09, 15 and 12), may be followed with suffix A; Model DV-XXXXX-B11, DV-XXXXXAC-B11 (where X can be any alphanumeric character); Models DSA-0151F-40, DSA-S15-05; Model DSA-0151F-X (X= 06, 07, 09, 15, 18, 20, 24); Models DV-102AAC, -2480AC, -3060, DV-0550R, DV-91A, DSA-0031F-05, MJ-0506, DSA-0051F-033, DV-0970R, AD-A95100UI.

Models DV-062AX, DV-751A5, DV-752AX, DV-1270R.

Models DVR-3508, -3512, -4109, -4114, -4814, -4818, -B11, Series.

Models DVR-5716, -5720, -5725, Series.

Models DSA-0121F-XX, -0121-XXA, where XX may be 05, 06, 07, 09, 12, 15, 18 or 24.

Models DSA-009X-YYA, -006X-YYA, where X may be F or blank, YY may be 05, 06, 07, 09, 12, 15, 18 or 24.

Models AD-071, DSA-0126A, -0126F, -0186A, -0186F, DV-0935-1, DV-0935S-1.

Model Series EI-3508, EI-3512, EI-4109, EI-4114, EI-4811, EI-4818.

Model DV-9210-1.

Model DSA-S15-03.

Model DV-1280-3.

Model DSA-0161F-09A.

Linear Direct Plug-In Power Supply, Model DV-1250AC-01.

Linear power supplies, Models DV-121A6ACD, MJ-8552US.

Power adapter, Model DSA-0421S-XX Y, where XX may be 03, 05, 07, 09, 12, 13, 20, 24, 28 or 40; Y may be 1, 2 or 3.

Power supplies, Models DSA-0151D-05, DSA-0151D-06, DSA-0151D-09, DSA-0481-12, DSA-1001-13, DSA-1001-24, DSA-1001, DSA-1301-20, DSA-0501-12, DSA-0121D-03, DSA-0151AD-06.

LOOK FOR LISTING MARK ON PRODUCT



DEE VAN ENTERPRISE CO LTD
MS S PAO
NO 5 PAO-KAO RD
HSIN-TIEN
TAIPEI TAIWAN

RE: Project Number(s) - 02NK20504

Your most recent Certification is shown below. You may also view this information, or a portion of this information (depending on the product category), on UL's Online Certifications Directory at www.ul.com/database. Please review the text and contact the Conformity Assessment Services staff member who handled your project if revisions are required. For instructions on placing an order for this information in a 3 x 5-inch format, you may refer to the enclosed order form for UL Card Service.

QQGQ7
Power Supplies, Information Technology Equipment Including Electrical Business Equipment Certified for Canada

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

E135856

AC Adapters, Models DSA-0132, -0151-12, 0151-12S, -0151D-05, -0182, -0182A, -403A, DV-51A5R, -51A5RD, -52AR-1, -580R -1280, TDS-051211-I-DT, DSA-0151D-12, DSA-0251-05.
Direct plug-in power supply, Model DSA-0051F-033.
Models DV-062AX, DV-751A5, DV-752AX, DV-1270R.
Models DVR-3508, -3512, -4109, -4114, -4814, -4818, -B11 Series.
Models DVR-5716, -5720, -5725 Series.
Model DV-1280-3.
Model DSA-0161F-09A.
Linear Direct Plug-In Power Supply, Model DV-1250AC-01.
Power adapters, Models AC-CS1-U(FUJIFILM), AD-A95100UI, DSA-0072, -0101-05, DSA-1001, DV-51AAT, -1485AC; Model DSA-0151A-XX (where XX can be 05, 06, 065A, 07, 09, 15 and 12), may be followed with suffix A; Models DV-XXXXX-B11, DV-XXXXXAC-B11 (where X can be any alphanumeric character); Model DSA-0151F-40, DV-51AAT, DSA-0151AD-12; Model DSA-0151F-X (X= 06, 07, 09, 15, 18, 24); Model DSA-S15-05, DSA-0151AD-05, DV-0550R, DV-0970R, DV-91A, DSA-0031F-05, MJ-0506, DSA-0151F-05, DSA-0151F-12.
Models DSA-0121F-XX, -0121-XXA, where XX may be 05, 06, 07, 09, 12, 15, 18 or 24.
Models DSA-009X-YYA, -006X-YYA, where X may be F or blank, YY may be 05, 06, 07, 09, 12, 15, 18 or 24.
Models AD-071, DV-0935-1, DV-0935S-1, DSA-0126A, -0126F, -0186A, -0186F.
Model DV-9210-1.
Model DSA-S15-03.
Model DSA-0421S-XX Y, where XX may be 03, 05, 07, 09, 12, 13, 20, 24, 28 or 40, Y may be 1, 2 or 3.
Linear power supplies, Models DV-121A6ACD, MJ-8552US.
Power supplies, Models DSA-0151D-05, DSA-0151D-06, DSA-0151D-09, DSA-0481-12, DSA-1001-13, DSA-1001-24, DSA-1001, DSA-1301-20, DSA-0501-12, DSA-0101A-05A, DSA-0101F-05A, DSA-0121D-03, DSA-0151AD-06.

LOOK FOR LISTING MARK ON PRODUCT

經濟部標準檢驗局

商品電磁相容型式認可證明書

申請廠商： 帝聞企業股份有限公司

地 址： 台北縣新店市寶高路5號

負 責 人： 鄭行道

一、產品名稱：

(1)產品中文名稱：交換式電源供應器

(2)產品英文名稱：SWITCHING ADAPTOR

(3)產品分類：乙類

(4)商標或廠牌：DVE

(5)型式(號)：DSA-0251-05

二、商品電磁相容型式認可標示：

檢磁3892A694

說明：

- (1)：上述認可產品其本體應依認可標示式樣自製標籤，印貼或鑄印於商品明顯位置。
- (2)：經型式認可之商品，如變更其設計時應重新申請型式認可。
- (3)：取得型式認可之商品，於市場銷售時應與所申請認可之樣品具一致性。

中 華 民 國 89 年 5 月 19 日

08901880

Zertifikat Certificate

www.DataSheet4U.com



Zertifikat Nr. Certificate No.
S 2156238

Blatt Page
01

Ihr Zeichen Client Reference
FH/SPC

Unser Zeichen Our Reference
00060- VW/yyt E2064665E01

Ausstellungsdatum Date of Issue
18.05.2001 (day/mo/yr)

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

Fertigungsstätte Manufacturing Plant
Dee Van Enterprise Co., Ltd.
No.5 Pao-Kao Road, Hsin-Tien
Taipei
TAIWAN

Prüfzeichen Test Mark



Geprüft nach Tested acc. to

EN 60950:1992+A1+A2+A3+A4+A11

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)
SCHALTNETZTEIL (Power Adapter)

Lizenzentgelte - Einheit
License Fee - Unit

Bezeichnung : DSA-0251-05 (DVE)
(Type Designation)

8

Nennspannung : AC 100-240V; 50/60Hz
(Rated Voltage)

Nennstrom : 0,7A
(Rated Current)

Ausgangsspannung : DC +5V
(Output Voltage)

Ausgangsstrom : 5,0A
(Output Current)

max. Umgebungstemperatur : 40°C
(max. Ambient Temperature)

Schutzklasse : I
(Protection Class)

Vermerk: Wiederausstellung vom Zertifikat S 2054938 01
(Remark: Reissue of certificate S 2054938 01)

8

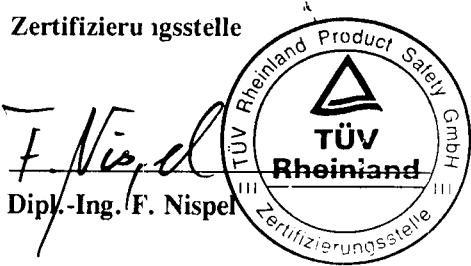
ANLAGE (Appendix): 1

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde. Das Zertifikat ist max. 5 Jahre gültig, gerechnet jeweils vom Ausstellungsdatum des letzten Blattes. Produkt und Fertigungsstätte erfüllen Par. 3 Abs. 1 und 4 des Gerätesicherheitsgesetzes. This certificate is based on our Testing and Certification Regulation. The certificate is valid for max. 5 years after the date of issue of the latest page. Product and production fulfill par. 3 Art. 1 and 4 of the German Product Safety Law.

TÜV Rheinland Product Safety GmbH, Am Grauen Stein, D-51105 Köln
Zugelassene Stelle nach Par. 9 Abs. 2 GSG, Registered Authority acc. par. 9 Art. 2 GSG

Tel.: (+49/221) 8 06 - 13 71 Fax: (+49/221) 8 06 - 39 3 e-mail: Althoff@de.tuv.com

Zertifizierungsstelle



Zertifikat Certificate

www.DataSheet4U.com



Zertifikat Nr. Certificate No.
S 2156238

Blatt Page
02

Ihr Zeichen Client Reference
FH/SPC

Unser Zeichen Our Reference
00060- VW/yyt E2064665E01

Ausstellungsdatum Date of Issue
18.05.2001 (day/mo/yr)

Genehmigungsinhaber License Holder
Dee Van Enterprise Co., Ltd.

No.5 Pao-Kao Road, Hsin-Tien
Taipei
TAIWAN

Fertigungsstätte Manufacturing Plant
Dee Van Elec. (Shenzhen) Co., Ltd.
5th. Industrial District Gongming,
Baoan, Shenzhen,
Guangdong 518106
P.R. CHINA

Prüfzeichen Test Mark

Geprüft nach Tested acc. to



EN 60950:1992+A1+A2+A3+A4+A11

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)
SCHALTNETZTEIL (Power Adapter)

Lizenzentgelte - Einheit
License Fee - Unit

wie Blatt (as page) 01

Ergänzung
(Addition)

Fertigungsstätte : siehe oben
(Factory) (see above)

www.DataSheet4U.com

Vermerk: Wiederausstellung vom Zertifikat S 2054938 02
(Remark: Reissue of certificate S 2054938 02)



Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde. Das Zertifikat ist max. 5 Jahre gültig, gerechnet jeweils vom Ausstellungsdatum des letzten Blattes. Produkt und Fertigungsstätte erfüllen Par. 3 Abs. 1 und 4 des Gerätesicherheitsgesetzes.
This certificate is based on our Testing and Certification Regulation.
The certificate is valid for max. 5 years after the date of issue of the latest page.
Product and production fulfill par. 3 Art. 1 and 4 of the German Product Safety Law.

Zertifizierungsstelle

Dipl.-Ing. F. Nispel

TÜV Rheinland Product Safety GmbH, Am Grauen Stein, D-51105 Köln
Zugelassene Stelle nach Par. 9 Abs. 2 GSG, Registered Authority acc. par. 9 Art. 2 GSG

Tel.: (+49/221) 8 06 - 13 71 Fax: (+49/221) 8 06 - 39 35 e-mail: Althoff@de.tuv.com

IEC SYSTEM FOR CONFORMITY TESTING
AND CERTIFICATION OF ELECTRICAL
EQUIPMENT (IECEE)
CB SCHEME

SYSTÈME CEI D'ESSAIS DE CONFORMITÉ
ET DE CERTIFICATION DES EQUIPEMENTS
ELECTRIQUE (IECEE)
METHODE OC

CB TEST CERTIFICATE
CERTIFICAT D'ESSAI OC

Product
Produit

Name and address of the applicant
Nom et adresse du demandeur

Name and address of the manufacturer
Nom et adresse du fabricant

Name and address of the factory
Nom et adresse de l'usine

Rating and principal characteristics
Valeurs nominales et caractéristiques principales

Trade mark (if any)
Marque de fabrique (si elle existe)

Model/type Ref.
Ref. de type

Additional information (if necessary)
Information complémentaire (si nécessaire)

A sample of the product was tested and found
to be in conformity with
Un échantillon de ce produit a été essayé et a été
considéré conforme à la

as shown in the Test Report Ref. No.
which form part of this certificate
comme indiqué dans le Rapport d'essais numéro
de référence
qui constitue une partie de ce certificat

This CB Test Certificate is issued by the National Certification Body
Ce Certificat d'essai OC est établi par l'Organisme National de Certification

Power Adapter

Dee Van Enterprise Co., Ltd.
5, Pao-Kao Rd., Hsin-Tien
Taipei 23117, TAIWAN, R.O.C.

Dee Van Enterprise Co., Ltd.
5, Pao-Kao Rd., Hsin-Tien
Taipei 23117, TAIWAN, R.O.C.
(further factories may be listed on appendices to this certificate)
Dee Van Enterprise Co., Ltd.
5, Pao-Kao Rd., Hsin-Tien
Taipei 23117, TAIWAN, R.O.C.

Input rating : AC 100-240V, 50/60Hz, 0.7A
Output rating : DC +5V/5.0A
Protection class : I

Trade mark of DVE

DSA-0251-05

PUBLICATION

EDITION

IEC 60950:1991+A1+A2+A3+A4
inclusive CENELEC Common Modifications
(refer also to the appendix)

E 2061051 E 01



TÜV Rheinland Japan Ltd.
3-19-5 Shin-Yokohama
222-0033 Japan

Date
10.05.2000

Signature

Dipl.-Ing. M. Borgmann



EC-Declaration of Conformity

For the following equipment:

Switching Adaptor

(Product Name)

DSA-0251-05 / DVE

(Model Designation / Trade name)

DEE VAN ENTERPRISE CO., LTD.

(Manufacturer Name)

No. 5, Pao Kao Road, Hsin Tien, Taipei Hsien, Taiwan, R.O.C.

(Manufacturer Address)

is herewith confirmed to comply with the requirements set out in the Council Directive on the Approximation of the Laws of the Member States relating to Electromagnetic Compatibility Directive (89/336/EEC, Amended by 92/31/EEC & 93/68/EEC), For the evaluation regarding the Electromagnetic Compatibility (89/336/EEC, Amended by 92/31/EEC & 93/68/EEC), the following standards are applied:

☒ EN 55022: 1994+A1: 1995+A2: 1997

☒ EN 61000-3-2: 1995; EN 61000-3-3: 1995

☒ EN50082-1: 1997

EN 61000-4-2: 1995; EN 61000-4-3: 1996; EN 61000-4-4: 1995; EN 61000-4-5: 1995

EN 61000-4-6: 1996; EN 61000-4-11: 1994; ENV 50204: 1995

The following manufacturer / importer or authorized representative established within the EUT is responsible for this declaration:

DEE VAN ENTERPRISE CO., LTD.

www.DataSheet4U.com (Company Name)

NO.5, PAO-KAO ROAD, HSIN-TIEN, TAIPEI, R.O.C

(Company Address)

Person responsible for making this declaration:

Ed Huang

(Name, Surname)

RD DEPT. / VICE PRESIDENT

(Position / Title)

TAIPEI

(Place)

25 APRIL 2000

(Date)

(Legal Signature)



EU Declaration of Conformity



according to the Low Voltage Directive 73/23/EEC and the
Amendment Directive 93/68/EEC

For the following equipment:

Product : Power Adapter
Type Designation/Trademark : DSA-0251-05 (DVE)
Manufacturer's Name : Dee Van Enterprise Co., Ltd.
Manufacturer's Address : 5,Pao-Kao Road, Hsin-Tien
Taipei 23117, Taiwan.

is herewith confirmed to comply with the requirements set out in the Council Directive 73/23/EEC
for electrical equipment used within certain voltage limits and the Amendment Directive
93/68/EEC. For the evaluation of the compliance with this Directives, the following standards was
applied :
EN 60950:1992+A1+A2+A3+A4+A11

Responsible for making this declaration is the :

Manufacturer ☒ Authorized representative established within the EU ☐
Authorized representative established within the EU (if applicable):

Company Name : DEE VAN ENTERPRISE CO., LTD.
Company Address : NO.5, PAO-KAO ROAD, HSIN-TIEN,
TAIPEI, R.O.C

Person responsible for making this declaration

Name, Surname : Ed Huang
Position/Title : RD DEPT./VICE PRESIDENT

TAIPEI 16 MAY 2000
(Place) (Date) (Company stamp and legal signature)

ADL Compliance
ABN 43 164 186 267

www.DataSheet4U.com

Supplier's Authorisation to use ACA C-tick Suppliers Code

(1/2)

We, ADL Compliance
of 16 Logan St, Eglinton NSW, 2795,
Australian Business Number 43 164 186 267
ACA C-tick Supplier's Code Number: ... N 10158

Hold the Compliance Folder as required by the ACA under the:

- Radiocommunications (Compliance Labelling - Incidental Emissions) Notice 1998

For the following Customer Equipment ...

**Dee Van Enterprises Co. Ltd
DSA-0251-05
Switch Mode Adaptor**

and hereby authorise ...

**Dee Van Enterprises Co. Ltd.
No 5 Pao-Kao Rd, hsin-Tien,
Taipei, Taiwan**

To supply the above product to the Australian Market, labelled with the following ACA C-tick
Supplier's code:

N10158

www.DataSheet4U.com Conditions for Labelling:

The label must be applied in accordance with the requirements of the Radiocommunications
(Compliance Labelling - Incidental Emissions) Notice 1998.

Special Conditions:

Nil

Signed:



Full Name:

David Edward Lee

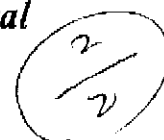
Position:

Senior Approvals Engineer

Date:

Thursday, November 30, 2000

Requirements: Radiocommunications (Compliance Labelling - Incidental Emissions) Notice 1998.



- The following label should be a permanent feature placed on the external surface of the equipment as close as possible to the model identification.
- Where the product is too small, the label must be placed on the equipment packaging and accompanying documentation.
- The compliance mark (C-tick) must be greater than 3mm high the supplier's Identification Code must be greater than 1mm high.
- The label may be any colour.
- The label may also be placed on promotional material associated with the product.
- **The label may only be used on the product identified in this Authorisation.**



通 商 産 業 省

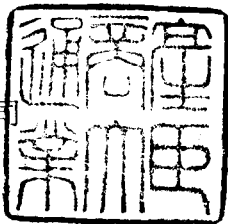
平成12・04・25資第11号

平成12年5月9日

帝闻电子（深圳）有限公司

董事長 鄭 行道 殿

通商産業大臣 深谷 隆司



甲種電気用品の型式の承認について

平成12年4月25日付けをもって申請がありました上記の件については、
電気用品取締法第25条の3第1項の規定に基づき下記のとおり承認します。

記

- | | |
|------------|------------|
| 1. 型式承認番号 | 第91－58781号 |
| 2. 甲種電気用品名 | 直流電源装置 |
| 3. 型式の区分 | 別紙のとおり |

通商産業省

別紙 型式の区分

要 素	区 分
定格入力電圧	1 2 5 V 以下のもの及び 1 2 5 V をこえるもの
入力側の定格容量	4 0 VA をこえ 5 0 VA 以下のもの
定格周波数（変圧器を有するものの場合に限る。）	5 0 Hz のもの及び 6 0 Hz のもの
交流用端子	ないもの
直流定格電圧	1 5 V 以下のもの
変圧器	あるもの
変圧器の巻線の絶縁の種類	E 種のもの
直流電圧の調整装置	ないもの
回路の保護機構	あるもの
器体スイッチ	ないもの
外かくの材料	合成樹脂のもの
用途	その他のもの
電源電線と器体との接続の方式	接続器利用のもの
二重絶縁	施していないもの

平成12年 5月 9日

帝闻电子（深圳）有限公司

董事長 鄭 行道 殿

東京都渋谷区代々木5-14-12

財団法人 電気安全環境研究所

理事長 逢 坂 國



試験結果並びに型式 認可番号について

さきに貴社より型式試験申請のありました電気用品は、試験に合格しましたので合格証書写をお送りします。

また、貴社の委任により平成12年 4月25日付けをもって通商産業大臣宛に型式認可手続きを行いました後に、型式番号については下記のとおり予定されている旨、確認しましたので併せてお知らせします。

なお、型式認可番号については、必ず、通商産業省から送付される型式認可書により、ご確認頂くようお願い致します。通商産業省から型式認可書が郵送されるまでには今しばらくの日数を要しますが、下記の型式認可申請日から1ヶ月を過ぎても型式認可書がお手元に届かない場合には、資源エネルギー庁公益事業部電力技術課電気用品班へご連絡下さい。

記

- | | |
|-------------|-------------|
| 1. 甲種電気用品名 | 直流電源装置 |
| 2. 受 理 番 号 | 東第99- 1822号 |
| 3. 予定型式認可番号 | 第91-58781号 |
| (型式認可申請日) | 平成12年 4月25日 |



合 格 証

住 所 中华人民共和国广东省深圳市宝安区公明镇合水口工业区

氏 名 帝闻电子（深圳）有限公司

董事長 鄭 行道 殿

電気用品取締法（昭和36年法律第234号）第25条の3第2項において
準用する同法第21条第1項の試験申請のあつた下記の甲種電気用品について
、当研究所は、電気用品の技術上の基準を定める省令（昭和37年通商産業省
令第85号）により試験を行つた結果合格であることを証明します。

平成12年 4月24日

財団法人 電気安全環境研究所

理事長 逢 坂 國 一

記

- | | |
|----------------|-----------------|
| 1. 受 理 番 号 | 東第99－ 1822号 |
| 2. 登 録 の 年 月 日 | 平成 7年10月23日 |
| 3. 登 録 番 号 | 第F424号 |
| 4. 事 業 区 分 | 交流電動機等応用機器類製造事業 |
| 5. 甲種電気用品の品名 | 直流電源装置 |
| 6. 型 式 | |

100～240V，50VA，50－60Hz，交流用端子なし，直流5V，変圧器
E種絶縁，直流電圧調整装置なし，回路保護あり，器体スイッチなし，合成樹脂
外かく，一般機器用，接続器接続，二重絶縁なし



DEPARTMENT OF **FAIR TRADING**
NSW Consumer Protection Agency

Certificate Number: 16964

CERTIFICATE OF APPROVAL

ISSUED PURSUANT TO SECTION 21C OF THE ELECTRICITY SAFETY ACT 1945

ISSUED TO:
Dee Van Enterprise Co Ltd

CLASS OF ARTICLE:
Extra Low Voltage Power Supply Unit

DESCRIPTION OF ARTICLE:

A switch mode power supply (ac-dc adaptor) housed in a thermoplastic enclosure.
"DVE"
Input: 100-240V, 47-63Hz, 0.7A
Output: +5V, d.c, 4.0A
Class I

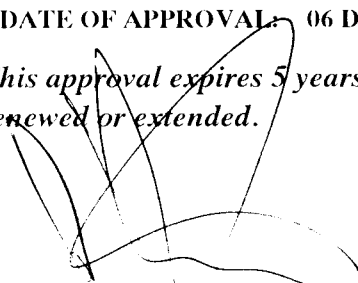
EXAMINED FOR COMPLIANCE WITH: AS/NZS3260 : 1993

TYPE REFERENCE CODE: Model DSA-0301-05

APPROVAL MARK:
Each electrical article of the abovementioned type shall be marked with Approval Number N16964

DATE OF APPROVAL: 06 December 1999

This approval expires 5 years from the date of approval unless suspended, cancelled, renewed or extended.


for DIRECTOR-GENERAL



Declaration of Conformity

According to 47 CFR, Part 2 , 15 of the FCC Rules and CISPR PUB.22

Declaration No. : D062901

2000/7/6

The following designated product

EQUIPMENT: Adaptor
MODEL NO.: DSA-0301-05

which is the Class B digital device complies with 47 CFR Parts 2,15 of the FCC rules and CISPR PUB. 22.

Operation is subject to the following two conditions : (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

The product was tested with the following configuration :

Dummy Load: 1 Ω /150W;0.25/200W

This declaration is given for the manufacturer

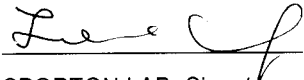
Dee Van Enterprise Co., Ltd.
No. 5, Pao Kao Rd., Hsin-Tien,
Taipei, Taiwan.

www.DataSheet4U.com

The test was carried out by

SPORTON INTERNATIONAL INC.
6F, No. 106, Hsin Tai Wu Rd., Sec. 1, Hsi Chih,
Taipei Hsien,Taiwan, R.O.C.

Manufacturer Signature


SPORTON LAB. Signature



Queensland Government

Department of Industrial Relations

Electricity Act 1994

Certificate of Approval for an Electrical Article

Registration No: Q01359

This is to certify that the Regulator has approved the electrical article described hereunder.

Registered Declarant: Dee Van Enterprise Co. Ltd
No. 5 Pao-Kao Road
Hsin-Tien Taipei - TAIWAN

DETAILS OF ARTICLE

Article:	AC-DC Adaptor
Trade Name:	Dee Van (DVE)
Catalogue/Model/Type Number:	DSA-0301-12
Marking Details:	100-240V~0.7A 47-63Hz 12V 2.5A
Reference Number:	01359
Relevant Standard:	AS/NZS3260 1993 Including Amendments 1-4
Date of Registration:	10 July 2001
Expiry Date:	10 July 2006

Manufacturer

Dee Van Enterprise Co. Ltd	No. 5 Pao-Kao Road Hsin-Tien Taipei - TAIWAN
Dee Van Elec. (Shenzhen) Co. Ltd	5th Industrial District Gongming Baoan Shenzhen Guangdong 518106 - CHINA

Regulator

12/7/2001

COPY

Electrical Safety Office
Department of Industrial Relations
P.O. Box 995
Spring Hill QLD 4004



經濟部商品檢驗局

商品電磁相容型式認可證明書

申請廠商：(中文) 帝聞企業股份有限公司

(英文) NA

地址：台北縣新店市寶高路 5 號

負責人：(中文) 鄭行道 (英文) NA

製造廠：(中文) 帝聞企業股份有限公司

(英文) NA

廠址：台北縣新店市寶高路 5 號

負責人：(中文) 鄭行道 (英文) NA

一、產品名稱：

(1)商品分類號列： NA

(2)產品中文名稱： 交換式電源轉接器(乙類)

(3)產品英文名稱： NA

(4)商標或廠牌： DVE

(5)型式(號)： DSA-0301-12

二、商品電磁相容型式認可標示：

檢磁3872A238

說明：

(1)：上述認可產品其本體應依認可標示式樣自製標籤，印貼或鐫印於商品明顯位置。

(2)：經型式認可之商品，如變更其設計時應重新申請型式認可。

(3)：取得型式認可之商品，於市場銷售時應與所申請認可之樣品具一致性。

中華民國 八十七 年 三 月 五 日

85002694



**Test Report
Application for
Declaration of Conformity
On Behalf Of
Dee Van Enterprise Co., Ltd..**

**Switching Adaptor
Model No.: DSA-0301-16**

**Prepared for:
Dee Van Enterprise Co., Ltd..
No. 5 ,Pao Kao Rd., Hsin Tien, Taipei Hsien,
Taipei, Taiwan, R.O.C.**



www.DataSheet4U.com

**Report By : Global EMC Standard Tech. Corp.
No.3 Pau-Tou-Tsuo Valley, Chia-Pau
Tsuen, Lin Kou Hsiang, Taipei Country,
Taiwan, R.O.C.
Tel : (02) 603-5321
Fax : (02) 603-5325**

Test results given in this report only relate to the specimen(s) tested, calibrated or measured.
This report shall not be reproduced other than in full without the written consent of Gestek.
This report must not be use to claim product endorsement by NVLAP or any agency of the U.S. Government.

FAXED

www.DataSheet4U.com

DECLARATION OF CONFORMITY

Motor Imports Pty Ltd

of

**33-35 Alleyne Street
CHATSWOOD NSW 2067**

**ACN 000 490 246
Supplier Code: N291**



I hereby declare under our sole responsibility that the following customer equipment

Dee Van Enterprise Co. Ltd, Power Adaptor Model No: DSA-0303-03

to which this Declaration relates complies with the following standard(s):

Title:
Limits and methods of measurement of Radio
Disturbance Characteristics of Information
Technology Equipment.

Number:	Date of Issue:
AS/NZS3548	1995
inc Amdts 1 & 2	
Class B	

www.DataSheet4U.com

Signature:

Pam Merlo

Name: Pam Merlo
Position: Agent

Date: 3.14/99

通 商 産 業 省

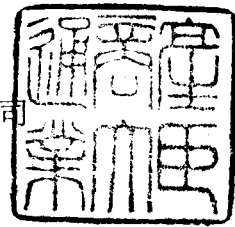
平成12・04・25資第11号

平成12年5月9日

帝闻电子（深圳）有限公司

董事長 鄭 行道 殿

通商産業大臣 深谷 隆司



甲種電気用品の型式の承認について

平成12年4月25日付けをもって申請がありました上記の件については、
電気用品取締法第25条の3第1項の規定に基づき下記のとおり承認します。

記

- | | |
|------------|------------|
| 1. 型式承認番号 | 第91-58781号 |
| 2. 甲種電気用品名 | 直流電源装置 |
| 3. 型式の区分 | 別紙のとおり |

通 商 産 業 省

別紙 型式の区分

要 素	区 分
定格入力電圧	1 2 5 V 以下のもの及び 1 2 5 V をこえるもの
入力側の定格容量	4 0 VA をこえ 5 0 VA 以下のもの
定格周波数（変圧器を有するものの場合に限る。）	5 0 Hz のもの及び 6 0 Hz のもの
交流用端子	ないもの
直流定格電圧	1 5 V 以下のもの
変圧器	あるもの
変圧器の巻線の絶縁の種類	E 種のもの
直流電圧の調整装置	ないもの
回路の保護機構	あるもの
器体スイッチ	ないもの
外かくの材料	合成樹脂のもの
用途	その他のもの
電源電線と器体との接続の方式	接続器利用のもの
二重絶縁	施していないもの

適合証明書

Certificate of Conformity



証明書番号 Certificate No.

JD 50015364

ページ Page

1

申請者照会番号 Applicant Reference

73005027

検査機関照会番号 Our Reference

ZJ-YH-12301163 001

発行年月日 Date of Issue

2002 年 08 月 16 日

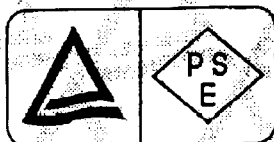
申請者 Applicant

Dee Van Electronics (Shenzhen) Co., Ltd

The 5th Industrial District, Gongming, Bao An District,
Shenzhen, Guangdong 518106, P.R.China

製造工場 Manufacturing Plant

Dee Van Electronics (Shenzhen) Co., Ltd

The 5th Industrial District, Gongming, Bao An District,
Shenzhen, Guangdong 518106, P.R.China届出事業者による適合性表示
Conformity Marking by Reporting Supplier

検査の方法 Inspection Method

- ・ 技術基準 省令第 2 項 : J60950(H14), J55022(H14)
Technical Requirements Clause 2: J60950 (H14), J55022 (H14)
- ・ 施行規則別表第四 (交流用電気機械器具)
Appendix 4 of the Enforcement Regulations (AC Electric Appliances)

特定電気用品名

Name of Specified Electrical
Appliance and Material: 直流電源装置
DC Power Supply Unit

型式の区分

Type Classification

: (「添付 1.0」参照)
(Refer to "Attachment 1.0")海外製造事業者
Overseas Manufacturer: Dee Van Electronics (Shenzhen) Co., Ltd
The 5th Industrial District, Gongming, Bao An District, Shenzhen, Guangdong 518106,
P.R.China客先名
Client: Dee Van Enterprise Co., Ltd.
No.5, Pao-Kao Road, Hsin-Tien, Taipei 231, Taiwan証明書の有効期間
Validity of Certificate: 本証明書は、施行令で規定された期間である 2007 年 08 月 15 日まで有効です。
This certificate is effective until 15.August.2007 being the period stipulated by the Enforcement Ordinance.

これは、上記申請者より申請のあった上記特定電気用品及び製造工場が、電気用品安全法第八条第一項に規定する技術基準及び同法第九条第二項の経済産業省令で定める基準に適合していることを証明するものです。

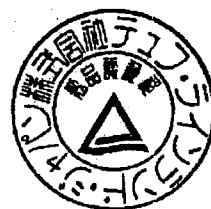
This is to certify that the above-mentioned Specified Electrical Appliances and Materials and the factory which the above-mentioned applicant applied for have been complied with the Technical Requirements stipulated by Article 8, Paragraph 1 of the Electrical Appliance and Material Safety Law and the requirements stipulated by the METI Ordinance specified in Article 9, Paragraph 2 of the said law.

テュフ・ラインランド・ジャパン株式会社
TÜV Rheinland Japan Ltd.

〒222-0033

横浜市港北区新横浜 3-19-5 新横浜第二センタービル 9 階
Shin Yokohama Daini Center Bldg., 9F
3-19-5, Shin Yokohama, Kohoku-ku, Yokohama 222-0033

発行者 Issued by

氏名 Name 榎山 泰亮
Yasuaki Hazeyama

添付 Attachment : 1.0

発行日 Date of Issue : 2002 年 08 月 16 日

【型式の区分 Type Classification】

型式区分管理 No: (Type Classification Control No.) : CL-13

証明書番号 (Certificate No.) JD 50015364

特定電気用品名 : 直流電源装置
(Name of Specified Electrical : DC Power Supply Unit
Appliance and Material)

申請者 (Applicant) : Dee Van Electronics (Shenzhen) Co., Ltd

海外製造事業者 : Dee Van Electronics (Shenzhen) Co., Ltd
(Overseas Manufacturer/factory)

客先名 (client) : Dee Van Enterprise Co., Ltd.



要素 Factor	区分 Classification
定格入力電圧 (Rated input voltage)	125V 以下のもの 及び 125V を超えるもの (125V or less, and exceeding 125V)
入力側の定格容量 (Rated capacity on input side)	40VA を超え 50VA 以下のもの (Exceeding 40VA, and less than or equal to 50VA)
定格周波数 (変圧器を有するものの場合に に限る。) (Rated frequency (limited to those with transformer)	50Hz のもの 及び 60Hz のもの (50Hz, and 60Hz)
交流用端子 (AC terminal)	ないもの (Without AC terminal)
直流定格電圧 (Rated DC voltage)	15V 以下のもの (15V or less)
変圧器 (Transformer)	あるもの (With transformer)
変圧器の巻線の絶縁の種類 (Transformer winding insulation class)	E 種のもの (Class E)
直流電圧の調整装置 (DC voltage adjusting mechanism)	ないもの (Without adjusting mechanism)
回路の保護機構 (Circuit protection device)	あるもの (With circuit protection device)
器体スイッチ (Body switch)	ないもの (Without body switch)
外郭の材料 (Outer case material)	合成樹脂のもの (Plastic)
用途 (Application)	その他のもの (Others)
電源電線と器体との接続の方式 (Method of attaching power supply cord)	接続器利用のもの (Coupling device)
二重絶縁 (Double insulation)	施してないもの (Without double insulation)

テュフ・ラインランド・ジャパン株式会社
TÜV Rheinland Japan Ltd.

〒222-0033

横浜市港北区新横浜 3-19-5 新横浜第二センタービル 9 階

Shin Yokohama Daini Center Bldg., 9F

3-19-5, Shin Yokohama, Kohoku-ku, Yokohama 222-0033

発行者 Issued by

氏名 Name 榎山 泰亮
Yasuaki Hazeyama



經濟部商品檢驗局

商品電磁相容型式認可證明書

申請廠商：(中文)帝聞企業股份有限公司

(英文)NA

地址：台北縣新店市寶高路 5 號

負責人：(中文)鄭行道 (英文)NA

製造廠：(中文)帝聞企業股份有限公司

(英文)NA

廠址：台北縣新店市寶高路 5 號

負責人：(中文)鄭行道 (英文)NA

一、產品名稱：

(1)商品分類號列：8507.10.00

(2)產品中文名稱：交換式電源轉換器(乙類)

(3)產品英文名稱：SWITCHING ADAPTOR

(4)商標或廠牌：DVE

(5)型式(號)：DSA-0301-05, DSA-0301-16, DSA-0301-18, DSA-0301-24, DSA-0302-01, DSA-0303-01, DSA-0303-02, DSA-0303-04, DSA-0303-03

二、商品電磁相容型式認可標示：04A, DSA-0303-03

檢磁3872B060

說明：

- (1)：上述認可產品其本體應依認可標示式樣自製標籤，印貼或鐫印於商品明顯位置。
- (2)：經型式認可之商品，如變更其設計時應重新申請型式認可。
- (3)：取得型式認可之商品，於市場銷售時應與所申請認可之樣品具一致性。

中華民國

年

月

日

八十七

七

九

85018059

Zertifikat Certificate

www.DataSheet4U.com



Zertifikat Nr. Certificate No.
S 2156202

Blatt Page
01

Ihr Zeichen Client Reference
SC/PSE

Unser Zeichen Our Reference
00060-HJL/rh E9664194E01

Ausstellungsdatum Date of Issue
09.05.2001 (day/month/year)

Genehmigungsinhaber License Holder

Dee Van Enterprise Co., Ltd.
No.5 Pao-Kao Road, Hsin-Tien
Taipei
TAIWAN

Fertigungsstätte Manufacturing Plant

Dee Van Enterprise Co., Ltd.
No.5 Pao-Kao Road, Hsin-Tien
Taipei
TAIWAN

Prüfzeichen Test Mark



Geprüft nach Tested acc. to

EN 60950:1992+A1+A2+A3

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

SCHALTNETZTEIL (AC-DC Adaptor)

Bezeichnung : DSA-030x-y
(Type Designation)
x steht für (stands for) : 1, 2 oder (or) 3
y steht für (stands for) : 01, 02, 03, 05, 12, 16
18 oder (or) 24

8
1
1

Nennspannung : AC 100-240V; 47-63Hz
(Rated Voltage)
Nennstrom : 0,7A
(Rated Current)
max. Umgebungstemperatur : 25°C
(max. Ambient Temperature)
Schutzklasse : I
(Protection Class)

Vermerk: Wiederausstellung vom Zertifikat S 9654271 01
(Remark: Reissue of certificate S 9654271 01)
Fortsetzung auf Blatt 02 (continued on page 02)

10

ANLAGE (Appendix): 1

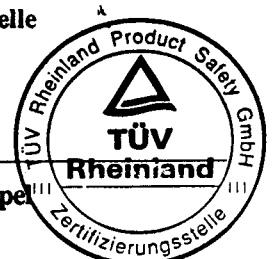
Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde. Das Zertifikat ist max. 5 Jahre gültig, gerechnet jeweils vom Ausstellungsdatum des letzten Blattes. Produkt und Fertigungsstätte erfüllen Par. 3 Abs. 1 und 4 des Gerätesicherheitsgesetzes. This certificate is based on our Testing and Certification Regulation. The certificate is valid for max. 5 years after the date of issue of the latest page. Product and production fulfill par. 3 Art. 1 and 4 of the German Product Safety Law.

TÜV Rheinland Product Safety GmbH, Am Grauen Stein, D-51105 Köln
Zugelassene Stelle nach Par. 9 Abs. 2 GSG, Registered Authority acc. par. 9 Art. 2 GSG

Tel.: (+49/221) 8 06 - 13 71 Fax: (+49/221) 8 06 - 39 35 e-mail: Althoff@de.tuv.com

Zertifizierungsstelle

F. Nispel
Dipl.-Ing. F. Nispel



Zertifikat Certificate

www.DataSheet4U.com



Zertifikat Nr. Certificate No.
S 2156202

Blatt Page
02

Ihr Zeichen Client Reference
SC/PSE

Unser Zeichen Our Reference
00060-HJL/ps E9664194E01

Ausstellungsdatum Date of Issue
09.05.2001 (day/mo/yr)

Genehmigungsinhaber License Holder

Dee Van Enterprise Co., Ltd.
No.5 Pao-Kao Road, Hsin-Tien
Taipei
TAIWAN

Fertigungsstätte Manufacturing Plant

Dee Van Enterprise Co., Ltd.
No.5 Pao-Kao Road, Hsin-Tien
Taipei
TAIWAN

Prüfzeichen Test Mark



Geprüft nach Tested acc. to

EN 50950:1992+A1+A2+A3

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

SCHALTNETZTEIL (AC-DC Adaptor)

wie Blatt (as page) 01

Fortsetzung (Continuation)

Bezeichnung (Type Designation)	Ausgangsspannungen (Output Voltages)	Ausgangsströme (Output Currents)
DSA-0301-05	DC 5V	4,0A
DSA-0301-12	DC 12V	2,5A
DSA-0301-16	DC 16V	1,88A
DSA-0301-18	DC 18V	1,66A
DSA-0301-24	DC 24V	1,25A
DSA-0302-01	DC 5/12V	2,5/1,5A
DSA-0303-01	DC 5/12/-12V	2,0/1,5/0,3A
DSA-0303-02	DC 5/12/-12V	2,4/1,0/0,5A
DSA-0303-03	DC 5/12/-12V	1,5/0,25/0,5A

Vermerk: Wiederausstellung vom Zertifikat S 9654271 02
(Remark: Reissue of certificate S 9654271 02)

ANLAGE (Appendix): 1

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde. Das Zertifikat ist max. 5 Jahre gültig, gerechnet jeweils vom Ausstellungsdatum des letzten Blattes. Produkt und Fertigungsstätte erfüllen Par. 3 Abs. 1 und 4 des Gerätesicherheitsgesetzes.
This certificate is based on our Testing and Certification Regulation.
The certificate is valid for max. 5 years after the date of issue of the latest page.
Product and production fulfill par. 3 Art. 1 and 4 of the German Product Safety Law.

TÜV Rheinland Product Safety GmbH, Am Grauen Stein, D-51105 Köln
Zugelassene Stelle nach Par. 9 Abs. 2 GSG, Registered Authority acc. par. 9 Art. 2 GSG

Tel.: (+49/221) 8 06 - 13 71 Fax: (+49/221) 8 06 - 39 35 e-mail: Althoff@de.tuv.com

Zertifizierungsstelle

F. Nispel
Dipl.-Ing./F. Nispel



Zertifikat Certificate

www.DataSheet4U.com



Zertifikat Nr. Certificate No.
S 2156202

Blatt Page
03

Ihr Zeichen Client Reference
SC/PSE

Unser Zeichen Our Reference
00060-HJL/rh E9664194E01

Ausstellungsdatum Date of Issue
09.05.2001 (day/mo/yr)

Genehmigungsinhaber License Holder
Dee Van Enterprise Co., Ltd.

No.5 Pao-Kao Road, Hsin-Tien
Taipei
TAIWAN

Fertigungsstätte Manufacturing Plant
Dee Van Elec. (Shenzhen) Co., Ltd.
5th. Industrial District Gongming,
Baoan, Shenzhen,
Guangdong 518106
P.R. CHINA

Prüfzeichen Test Mark



Geprüft nach Tested acc. to
EN 60950:1992+A1+A2+A3

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)
SCHALTNETZTEIL (AC-DC Adaptor)
wie Blatt (as page) 01

Lizenzentgelte - Einheit
License Fee - Unit

Ergänzung
(Addition)

Fertigungsstätte : siehe oben
(Factory) (see above)

Vermerk: Wiederausstellung vom Zertifikat S 9654271 03
(Remark: Reissue of certificate S 9654271 03)

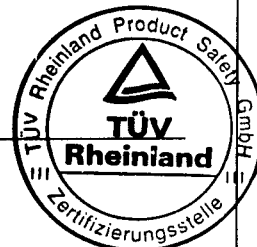
Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde. Das Zertifikat ist max. 5 Jahre gültig, gerechnet jeweils vom Ausstellungsdatum des letzten Blattes. Produkt und Fertigungsstätte erfüllen Par. 3 Abs. 1 und 4 des Gerätesicherheitsgesetzes.
This certificate is based on our Testing and Certification Regulation.
The certificate is valid for max. 5 years after the date of issue of the latest page.
Product and production fulfill par. 3 Art. 1 and 4 of the German Product Safety Law.

TÜV Rheinland Product Safety GmbH, Am Grauen Stein, D-51105 Köln
Zugelassene Stelle nach Par. 9 Abs. 2 GSG, Registered Authority acc. par. 9 Art. 2 GSG

Tel.: (+49/221) 8 06 - 13 71 Fax: (+49/221) 8 06 - 39 35 e-mail: Althoff@de.tuv.com

Zertifizierungsstelle

F. Nispel
Dipl.-Ing. F. Nispel



Zertifikat Certificate

www.DataSheet4U.com



Zertifikat Nr. Certificate No.
S 2156202

Blatt Page
04

Ihr Zeichen Client Reference
97-0593

Unser Zeichen Our Reference

00060-HJL/rh E9664194Z02

Ausstellungsdatum Date of Issue
09.05 2001 (day/month/yr)

Genehmigungsinhaber License Holder

Dee Van Enterprise Co., Ltd.
No.5 Pao-Kao Road, Hsin-Tien
Taipei
TAIWAN

Fertigungsstätte Manufacturing Plant

Dee Van Enterprise Co., Ltd.
No.5 Pao-Kao Road, Hsin-Tien
Taipei
TAIWAN

Prüfzeichen Test Mark



Geprüft nach Tested acc. to

EN 60950:1992+A1+A2+A3

Zertifiziertes Produkt (Geräteidentifikation)

Certified Product (Product Identification)

SCHALTNETZTEIL (AC-DC Adaptor)

wie Blatt (as page) 01

Ergänzung
(Addition)

Bezeichnung (Type Designation)
DSA-0303-04

2

Ausgangsspannungen : DC 5V 12V -5V
(Output Voltages)

Ausgangsströme : 1A 1,5A 0,1A
(Output Currents)

Vermerk: Wiederausstellung vom Zertifikat S 9654271 04
(Remark: Reissue of certificate S 9654271 04)

2

ANLAGE (Appendix): 1

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde. Das Zertifikat ist max. 5 Jahre gültig, gerechnet jeweils vom Ausstellungsdatum des letzten Blattes. Produkt und Fertigungsstätte erfüllen Par. 3 Abs. 1 und 4 des Gerätesicherheitsgesetzes.
This certificate is based on our Testing and Certification Regulation.
The certificate is valid for max. 5 years after the date of issue of the latest page.
Product and production fulfill par. 3 Art. 1 and 4 of the German Product Safety Law.

TÜV Rheinland Product Safety GmbH, Am Grauen Stein, D-51105 Köln
Zugelassene Stelle nach Par. 9 Abs. 2 GSG, Registered Authority acc. par. 9 Art. 2 GSG

Tel.: (+49/221) 8 06 - 13 71 Fax: (+49/221) 8 06 - 39 35 e-mail: Althoff@de.tuv.com

Zertifizierungsstelle

F. Nispel
Dipl.-Ing. F. Nispel



Zertifikat Certificate

www.DataSheet4U.com



Zertifikat Nr. Certificate No.
S 2156202

Blatt Page
05

Ihr Zeichen Client Reference
97-0863

Unser Zeichen Our Reference
00060-HJL/rh E9664194Z03

Ausstellungsdatum Date of Issue
09.05.2001 (day/month/yr)

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

Fertigungsstätte Manufacturing Plant
Dee Van Enterprise Co., Ltd.
No.5 Pao-Kao Road, Hsin-Tien
Taipei
TAIWAN

Prüfzeichen Test Mark



Geprüft nach Tested acc. to
EN 60950:1992+A1+A2+A3

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)
SCHALTNETZTEIL (AC-DC Adaptor)

Lizenzentgelte - Einheit
License Fee - Unit

wie Blatt (as page) 01

Ergänzung für Bezeichnung : DSA-0303-04
(Addition for Type Designation)

Bezeichnung : DSA-0303-04A
(Type Designation)

2

Ausgangsspannungen : DC 5V 12V -5V
(Output Voltages)

Ausgangsströme : 2,5A 1,2A 0,25A
(Output Currents)

Vermerk: Wiederausstellung vom Zertifikat S 9654271 05
(Remark: Reissue of certificate S 9654271 05)

2

ANLAGE (Appendix): 1

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde. Das Zertifikat ist max. 5 Jahre gültig, gerechnet jeweils vom Ausstellungsdatum des letzten Blattes. Produkt und Fertigungsstätte erfüllen Par. 3 Abs. 1 und 4 des Gerätesicherheitsgesetzes.
This certificate is based on our Testing and Certification Regulation.
The certificate is valid for max. 5 years after the date of issue of the latest page.
Product and production fulfill par. 3 Art. 1 and 4 of the German Product Safety Law.

TÜV Rheinland Product Safety GmbH, Am Grauen Stein, D-51105 Köln
Zugelassene Stelle nach Par. 9 Abs. 2 GSG, Registered Authority acc. par. 9 Art. 2 GSG

Tel.: (+49/221) 8 06 - 13 71 Fax: (+49/221) 8 06 - 39 35 e-mail: Althoff@de.tuv.com

Zertifizierungsstelle

F. Nispel
Dipl.-Ing. F. Nispel



Zertifikat Certificate

www.DataSheet4U.com



Zertifikat Nr. Certificate No.
S 2156202

Blatt Page
06

Ihr Zeichen Client Reference
FH/SPS

Unser Zeichen Our Reference

00060-HJL/rh E9664194N04

Ausstellungsdatum Date of Issue
09.05.2001 (day/month/yr)

Genehmigungsinhaber License Holder

Dee Van Enterprise Co., Ltd.
No.5 Pao-Kao Road, Hsin-Tien
Taipei
TAIWAN

Fertigungsstätte Manufacturing Plant

Dee Van Enterprise Co., Ltd.
No.5 Pao-Kao Road, Hsin-Tien
Taipei
TAIWAN

Prüfzeichen Test Mark



Geprüft nach Tested acc. to

EN 60950:1992+A1+A2+A3+A4+A11

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

SCHALTNETZTEIL (AC-DC Adaptor)

wie Blatt (as page) 01

Änderung
(Change)

Prüfgrundlage (Test Requirement) : siehe oben
(see above)

Vermerk: Wiederausstellung vom Zertifikat S 9654271 06
(Remark: Reissue of certificate S 9654271 06)

Lizenzentgelte - Einheit
License Fee - Unit

ANLAGE (Appendix): 1

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde. Das Zertifikat ist max. 5 Jahre gültig, gerechnet jeweils vom Ausstellungsdatum des letzten Blattes. Produkt und Fertigungsstätte erfüllen Par. 3 Abs. 1 und 4 des Gerätesicherheitsgesetzes.
This certificate is based on our Testing and Certification Regulation.
The certificate is valid for max. 5 years after the date of issue of the latest page.
Product and production fulfill par. 3 Art. 1 and 4 of the German Product Safety Law.

TÜV Rheinland Product Safety GmbH, Am Grauen Stein, D-51105 Köln
Zugelassene Stelle nach Par. 9 Abs. 2 GSG, Registered Authority acc. par. 9 Art. 2 GSG

Tel.: (+49/221) 8 06 - 13 71 Fax: (+49/221) 8 06 - 39 35 e-mail: Althoff@de.tuv.com

Zertifizierungsstelle

F. Nispel
Dipl.-Ing. F. Nispel





EU Declaration of Conformity



according to the Low Voltage Directive 73/23/EEC and the
Amendment Directive 93/68/EEC

For the following equipment:

Product : AC-DC Adaptor
Type Designation/Trademark : DSA-030x-y (x=1, 2 or 3; y=01, 02, 03, 05, 12, 16, 18 or 24),
DSA-0303-04, DSA-0303-04A
Manufacturer's Name : Dee Van Enterprise Co., Ltd.
Manufacturer's Address : 5, Pao-Kao Road, Hsin-Tien
Taipei 23117, Taiwan, R.O.C.

is herewith confirmed to comply with the requirements set out in the Council Directive 73/23/EEC
for electrical equipment used within certain voltage limits and the Amendment Directive
93/68/EEC. For the evaluation of the compliance with this Directives, the following standard was
applied :
EN 60950:1992+A1+A2+A3+A4+A11

Responsible for making this declaration is the :

Manufacturer ☐ Authorized representative established within the EU ☐

Authorized representative established within the EU (if applicable):

Company Name : DEE-VAN ENTERPRISE COO, LTD.
Company Address : NO.5 PAO-KAO ROAD, HSIN-TIEN,
TAIPEI, TAIWAN, R.O.C

Person responsible for making this declaration

Name, Surname : JIM. KAO

Position/Title : R & D DEPT. /MANAGER

TAIPEI
(Place)

4/14/2000
(Date)


(Company stamp and legal signature)



EC-Declaration of Conformity

For the following equipment:

Switching Power Supply

(Product Name)

DSA-030X-Y (X=1,2,3 ; Y=01,02,03,04,04A,05,12C,16,18,24) / DVE

(Model Designation / Trade name)

DEE VAN ENTERPRISE CO., LTD.

(Manufacturer Name)

1. No. 5, Pao Kao Road, Hsin Tien, Taipei Hsien, Taiwan, R.O.C.
2. The 5th, Industrial District, Kuo Ming, Bao An, Shenzhen 518106, P.R. China

(Manufacturer Address)

is herewith confirmed to comply with the requirements set out in the Council Directive on the Approximation of the Laws of the Member States relating to Electromagnetic Compatibility Directive (89/336/EEC, Amended by 92/31/EEC, 93/68/EEC & 98/13/EC), For the evaluation regarding the Electromagnetic Compatibility (89/336/EEC, Amended by 92/31/EEC, 93/68/EEC & 98/13/EC), the following standards are applied:

☒ EN 55022: 1994+A1: 1995+A2: 1997

☒ EN 61000-3-2: 1995+A1: 1998+A2: 1998

☒ EN 61000-3-3: 1995

☒ EN 55024: 1998

IEC 61000-4-2: 2001; IEC 61000-4-3: 1995; IEC 61000-4-4: 1995; IEC 61000-4-5: 1995
IEC 61000-4-6: 1996; IEC 61000-4-11: 1994

The following manufacturer / importer or authorized representative established within the EUT is responsible for this declaration:

DEE VAN ENTERPRISE CO., LTD.

(Company Name)

NO. 5, PAO KAO ROAD, HSIN TIEN, TAIPEI, R.O.C

(Company Address)

Person responsible for making this declaration:

Ed Huang

(Name, Surname)

RD DEPT. / VICE PRESIDENT

(Position / Title)

TAIPEI

Sep 27 2002

(Place)

(Date)

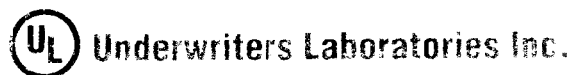
(Legal Signature)

Accredited Lab. of NEMO, A2LA, BCIQ
Listed Lab. of FCC, VCCI, MOC

A2LA Certificate #: 824.01 (for Emission)
NEMKO Authorization #: ELA 124 (for EMC)

Page 2

Rev. 00



DEE VAN ENTERPRISE CO LTD
 MS S PAO
 NO 5 PAO-KAO RD
 HSIN-TIEN
 TAIPEI TAIWAN

RE: Project Number(s) - 02NK20504

Your most recent Certification is shown below. You may also view this information, or a portion of this information (depending on the product category), on UL's Online Certifications Directory at www.ul.com/database. Please review the text and contact the Conformity Assessment Services staff member who handled your project if revisions are required. For instructions on placing an order for this information in a 3 x 5-inch format, you may refer to the enclosed order form for UL Card Service.

QQGQ July 17, 2002
 Power Supplies, Information Technology Equipment Including Electrical Business Equipment

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

E135856

AC adapters, Models AC-CS1-U(FUJIFILM), DSA-0072, -0101-05, DSA-0132, DSA-0151-12, -0151-12S, -0151D-05, -0151F-05, -0151F-12, DSA-0182, -0283A, DSA-0301-05, -0301-12, -0301-16, -0301-18, -0301-24, -0302-01, -0303-01, -0303-02, -0303-03, -0303-04, -0303-04A, DSA-1001, DV-51A5R, -51A5RD, -52AR-1, -580R, -1280, -1485AC, -1840WAC, TDS-051211-I-DT, -0182A, 403A, DV-51AAT; Model DSA-0151AD-12, DSA-0151D-12, DSA-0151AD-05, DSA-0251-05, DSA0101A-05A, DSA-0101F-05A.

Direct plug-in power supplies, Models DSA-0151A-XX (where XX can be 05, 06, 065A, 07, 09, 15 and 12), may be followed with suffix A; Model DV-XXXXX-B11, DV-XXXXXAC-B11 (where X can be any alphanumeric character); Models DSA-0151F-40, DSA-S15-05; Model DSA-0151F-X (X= 06, 07, 09, 15, 18, 20, 24); Models DV-102AAC, -2480AC, -3060, DV-0550R, DV-91A, DSA-0031F-05, MJ-0506, DSA-0051F-033, DV-0970R, AD-A95100UI.

Models DV-062AX, DV-751A5, DV-752AX, DV-1270R.

Models DVR-3508, -3512, -4109, -4114, -4814, -4818, -B11, Series.

Models DVR-5716, -5720, -5725, Series.

Models DSA-0121F-XX, -0121-XXA, where XX may be 05, 06, 07, 09, 12, 15, 18 or 24.

Models DSA-009X-YYA, -006X-YYA, where X may be F or blank, YY may be 05, 06, 07, 09, 12, 15, 18 or 24.

Models AD-071, DSA-0126A, -0126F, -0186A, -0186F, DV-0935-1, DV-0935S-1.

Model Series EI-3508, EI-3512, EI-4109, EI-4114, EI-4811, EI-4818.

Model DV-9210-1.

Model DSA-S15-03.

Model DV-1280-3.

Model DSA-0161F-09A.

Linear Direct Plug-In Power Supply, Model DV-1250AC-01.

Linear power supplies, Models DV-121A6ACD, MJ-8552US.

Power adapter, Model DSA-0421S-XX Y, where XX may be 03, 05, 07, 09, 12, 13, 20, 24, 28 or 40; Y may be 1, 2 or 3.

Power supplies, Models DSA-0151D-05, DSA-0151D-06, DSA-0151D-09, DSA-0481-12, DSA-1001-13, DSA-1001-24, DSA-1001, DSA-1301-20, DSA-0501-12, DSA-0121D-03, DSA-0151AD-06.

LOOK FOR LISTING MARK ON PRODUCT



DEE VAN ENTERPRISE CO LTD
MS S PAO
NO 5 PAO-KAO RD
HSIN-TIEN
TAIPEI TAIWAN

RE: Project Number(s) - 02NK20504

Your most recent Certification is shown below. You may also view this information, or a portion of this information (depending on the product category), on UL's Online Certifications Directory at www.ul.com/database. Please review the text and contact the Conformity Assessment Services staff member who handled your project if revisions are required. For instructions on placing an order for this information in a 3 x 5-inch format, you may refer to the enclosed order form for UL Card Service.

QQGQ7
Power Supplies, Information Technology Equipment Including Electrical Business Equipment Certified for Canada
July 16, 2002

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

AC Adapters, Models DSA-0132, -0151-12, 0151-12S, -0151D-05, -0182, -0182A, -403A, DV-51A5R, -51A5RD, -52AR-1, -580R -1280, TDS-051211-I-DT, DSA-0151D-12, DSA-0251-05.
Direct plug-in power supply, Model DSA-0051F-033.
Models DV-062AX, DV-751A5, DV-752AX, DV-1270R.
Models DVR-3508, -3512, -4109, -4114, -4814, -4818, -B11 Series.
Models DVR-5716, -5720, -5725 Series.
Model DV-1280-3.
Model DSA-0161F-09A.
Linear Direct Plug-In Power Supply, Model DV-1250AC-01.
Power adapters, Models AC-CS1-U(FUJIFILM), AD-A95100UI, DSA-0072, -0101-05, DSA-1001, DV-51AAT, -1485AC; Model DSA-0151A-XX (where XX can be 05, 06, 065A, 07, 09, 15 and 12), may be followed with suffix A; Models DV-XXXXX-B11, DV-XXXXXAC-B11 (where X can be any alphanumeric character); Model DSA-0151F-40, DV-51AAT, DSA-0151AD-12; Model DSA-0151F-X (X= 06, 07, 09, 15, 18, 24); Model DSA-S15-05, DSA-0151AD-05, DV-0550R, DV-0970R, DV-91A, DSA-0031F-05, MJ-0506, DSA-0151F-05, DSA-0151F-12.
Models DSA-0121F-XX, -0121-XXA, where XX may be 05, 06, 07, 09, 12, 15, 18 or 24.
Models DSA-009X-YYA, -006X-YYA, where X may be F or blank, YY may be 05, 06, 07, 09, 12, 15, 18 or 24.
Models AD-071, DV-0935-1, DV-0935S-1, DSA-0126A, -0126F, -0186A, -0186F.
Model DV-9210-1.
Model DSA-S15-03.
Model DSA-0421S-XX Y, where XX may be 03, 05, 07, 09, 12, 13, 20, 24, 28 or 40, Y may be 1, 2 or 3.
Linear power supplies, Models DV-121A6ACD, MJ-8552US.
Power supplies, Models DSA-0151D-05, DSA-0151D-06, DSA-0151D-09, DSA-0481-12, DSA-1001-13, DSA-1001-24, DSA-1001, DSA-1301-20, DSA-0501-12, DSA-0101A-05A, DSA-0101F-05A, DSA-0121D-03, DSA-0151AD-06.

LOOK FOR LISTING MARK ON PRODUCT

Certificate: 170494 - 2500001984
Project: 2500004674

Date: December 22, 1999

<u>Model</u>	<u>Level</u>	<u>Input</u>	<u>Output</u>
DSA-0303-03	3	100-240V (autoranging)	+5V, 1.5A +12V, 0.25A -12V, 0.5A
DSA-0303-04			+5V, 1.0 A +12V,1.5A -5V, 0.1A
DSA-0303-04A			+5V, 2.5A +12V, 1.2A -5V, 0.25A

- Notes:
- (i) The Model designation may have a suffix and/or prefix consisting of alphanumeric characters denoting minor mechanical options, system configuration options and/or extra low voltage secondary circuit options.
 - (ii) **Evaluated to comply with maximum limits of secondary wiring protections.

APPLICABLE STANDARDS

CAN/CSA-C22.2 No	950-M89	-	Safety of Information Technology Equipment, Including Electrical Business Equipment
CAN/CSA-C22.2 No	234-M90	-	Safety of Component Power Supplies

Certificate of Compliance

Certificate: 170494 - 2500001984 (LR 51408-175)

Project: 2500004674

Date Issued: December 22, 1999

Issued to: DEE VAN ENTERPRISE CO., LTD.
No 5, Pao-Kao Rd.
Hsin-Tien, Taipei
Taiwan
Attention: Ms. Grace Huang

www.DataSheet4U.com

The products listed below are eligible to bear the CSA Mark shown



Issued by: Akbar Lalani, C.E.T.

Signature: 

PRODUCTS

CLASS 5311 03 - POWER SUPPLIES - Component Type

Component type power supplies for use with Information Technology and Electrical Business Equipment where the suitability of the combination is determined by the Canadian Standards Association.

Model	Level	Input	Output
DSA-0301-05**	3	100-240V (autoranging) 47-63Hz, 0.7A	+5V, 4.0A
DSA-0301-12			+12V, 2.5A
DSA-0301-16			+16V, 1.88A
DSA-0301-18			+18V, 1.66A
DSA-0301-24			+24V, 1.25A
DSA-0302-01			+5V, 2.5A +12V, 1.5A
DSA-0303-01			+5V, 2.0A +12V, 1.5A -12V, 0.3A
DSA-0303-02			+5V, 2.4A +12V, 1.0A -12V, 0.5A

IEC SYSTEM FOR CONFORMITY TESTING TO STANDARDS FOR SAFETY OF ELECTRICAL EQUIPMENT (IECEE)
CB SCHEME

SYSTEME CEI D'ESSAIS DE CONFORMITE AUX NORMES DE SECURITE DE L'EQUIPMENT ELECTRIQUE (IECEE)
METHODE OC

CB TEST CERTIFICATE
CERTIFICAT D'ESSAI OC

Product <i>Produit</i>	AC-DC Adaptor
Name and address of the applicant <i>Nom et adresse du demandeur</i>	Dee Van Enterprise Co., Ltd. No. 5, Pao-Kao Road ROC 23117 Hsin-Tien, Taipei
Name and address of the manufacturer <i>Nom et adresse du fabricant</i>	Dee Van Enterprise Co., Ltd. No. 5, Pao-Kao Road ROC 23117 Hsin-Tien, Taipei
Name and address of the factory <i>Nom et adresse de l'usine</i>	see appendix
Rating and principal characteristics <i>Valeurs nominales et caractéristiques principales</i>	AC 100-240V; 47-63Hz; 0.7A; Class I
Trade mark (if any) <i>Marque de fabrique (si elle existe)</i>	DVE
Model/type Ref. <i>Ref. de type</i>	DSA-030x-y
Additional information (if necessary) <i>Information complémentaire (si nécessaire)</i>	see appendix
A sample of the product was tested and found to be in conformity with <i>Un échantillon de ce produit a été essayé et a été trouvé conforme à la</i>	IEC 60950:1991+A1+A2+A3+A4 PUBLICATION EDITION
as shown in the Test Report Ref. No. which form part of this certificate <i>comme indiqué dans le Rapport d'essais numéro de référence</i> <i>qui constitue une partie de ce certificat</i>	E 9811394 E 01

This CB Test Certificate is issued by the National Certification Body
Ce Certificat d'essai OC est établi par l'Organisme National de Certification

 **TÜV Rheinland**
Product Safety GmbH

Am Grauen Stein

51105 Köln

Date 16.06.1998

Signature  Dipl.-Ing. Beck

Appendix to CB Certificate Ref. No: DE 2-002241

The sample of the product was tested and found to be in compliance with the national deviations of:

- Australia, Austria, Belgium, Canada, Czech Republic, France, Germany, Greece, Hungary, India, Ireland, Israel, Italy, Japan, Rep.of Korea, Netherlands, Poland, Singapore, Slovenia, Switzerland, United Kingdom and USA.

Brief description of the test sample:

The equipment model DSA-030x-y is an external switching power supply adaptor (desk top type) for DC supply of information technology equipment (scanner, notebook PC, etc.). In the type designation the digit 'x' may be number 1, 2 or 3 to denote the number of outputs; the digit 'y' may be numbers 01, 02, 03, 04, 04A, 05, 12, 16, 18 or 24 to denote the output voltage or the output combinations. All models are identical to eachother except for model name, output ratings, main transformer and SELV circuitry.

The o/p is specified as follows:

Model	DC output
DSA-0301-05	+5V/ 4.0A
DSA-0301-12	+12V/ 2.5A
DSA-0301-16	+16V/ 1.88A
DSA-0301-18	+18V/ 1.66A
DSA-0301-24	+24V/ 1.25A
DSA-0302-01	+5V/ 2.5A; +12V/ 1.5A
DSA-0303-01	+5V/ 2.0A; +12V/ 1.5A; -12V/ 0.3A
DSA-0303-02	+5V/ 2.4A; +12V/ 1.0A; -12V/ 0.5A
DSA-0303-03	+5V/ 1.5A; +12V/ 0.25A; -12V/ 0.5A
DSA-0303-04	+5V/ 1.0A; +12V/ 1.5A; -5V/ 0.1A
DSA-0303-04A	+5V/ 2.5A; +12V/ 1.2A; -5V/ 0.25A

Production factories:

- 1) Dee Van Enterprise Co., Ltd.
No. 5, Pao-Kao Road, Hsin-Tien,
Taipei 23117, Taiwan, R.O.C.
- 2) Dee Van Enterprise Co. (Chen Zhen) Ltd.
The 5th. Industrial District, Kuo Ming,
Bao An, Shenzhen 518106, P.R.China

Date: 16.06.1998

Signature: 