Your Ref:
Our Ref: 052063
Enquiries: Administration
Telephone: (07) 3237 0281
Facsimile: (07) 3406 3808
Email: equipmentsafety@dir.qld.gov.au

Queensland Government

Department of
Industrial Relations

19 December 2005

Mr April Qiu
ENG Electric Co., Ltd.
c/- Ms Selina Zeng – ITS (Guangzhou)
3/F., Hengyun Building, 728 Kaifa Ave,
Guangzhou Economic & Technological Development District,
Guangzhou 510730 - CHINA

Dear Mr Qiu

CERTIFICATE OF APPROVAL OF PRESCRIBED ELECTRICAL EQUIPMENT
EXTRA LOW VOLTAGE POWER SUPPLY UNIT
POWER ADAPTOR
MODEL NO. 3A-061WPXXA

I am pleased to advise that your application for approval of the above mentioned electrical equipment has been approved.

The registration number allocated to the electrical equipment is Q052063. This registration number must be marked on all electrical equipment covered by the enclosed. Alternatively you may use the Regulatory Compliance Mark (RCM) in lieu of the registration number. Please advise this office if you intend to use the RCM in lieu of the registration number.

Please note that it is a requirement of the Electrical Safety Act and Regulations 2002 that if you modify the electrical equipment in any way you are required to notify this office of the details of the modifications for approval. An application for modification form is available from this office.

If you have supplied a sample of the product for examination, please arrange to collect the sample within thirty days of the date of this letter. If the sample has not been collected by this date it will be disposed of in accordance with section 118[#] of the Electrical Safety Regulation 2002.

You are reminded that it is mandatory for all plugs manufactured or imported to incorporate insulated live pins from 3 April 2005. It is required that all electrical equipment with out insulated pin plugs, be sold from all points of sale, by 3 April 2006.

Yours sincerely

D EDE
Director – Equipment Safety
Electrical Safety Office

[#]Section 118 provides for the disposal of samples that have not been collected after six months from when notice is given requesting collection and that a person is not entitled to claim for the item or any loss or damage to it

Electrical Safety Office
Block B Neville Bonner Building
75 William Street Brisbane
Queensland 4000 Australia

LMB 2234 Brisbane
Queensland 4001 Australia

Telephone +61 7 3237 0281
Facsimile +61 7 3406 3808
Website www.eso.qld.gov.au

Queensland Government
Department of Industrial Relations

Electrical Safety Act 2002

Certificate of Approval for an Electrical Article

Registration No: Q052063

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

Registered Declarant: **ENG Electric Co., Ltd.**
5F, No. 536, Sec.1, Min Sheng N. Road
Kweishan Hsiang, Taoyuan Hsien - TAIWAN

DETAILS OF ARTICLE

Article:	**Extra Low Voltage Power Supply Unit** **Power Adaptor**
Trade Name:	**ENG**
Catalogue/Model/Type Number:	**3A-061WPXXA**
Marking Details:	**Input: 100-240Vac 50-60Hz 0.3A** **Output: 3-24Vdc 6W max**
Reference Number:	**052063**
Relevant Standard:	**AS/NZS60950.1: 2003**
Date of Registration:	**19 December 2005**
Expiry Date:	**19 December 2010**

Director – Equipment Safety
Electrical Safety Office
20/12/2005

Electrical Safety Office
Department of Industrial Relations
LMB 2234
Brisbane QLD 4001

Queensland Government
Department of Industrial Relations

Electrical Safety Act 2002

Attachment to Certificate of Approval for an Electrical Article

Part A

Approval Number:	**Q052063**
Modification to:	Extra Low Voltage Power Supply Unit Power Adaptor
Trade Name:	ENG
Catalogue/Model/Type Number:	3A-061WPXXA
Marking Details:	Input: 100-240Vac 50-60Hz 0.3A Output: 3-24Vdc 6W max

Part B

Date of Modification: 19 December 2005

Details of Modification:

The model number designation is as follows:
- XX equal to 03, Output 3-4Vdc max 6W;
- XX equal to 05, Output 4-6Vdc max 6W;
- XX equal to 12, Output 9-12Vdc max 6W;
- XX equal to 18, Output 15-18Vdc max 6W; and
- XX equal to 24, Output 20-24Vdc max 6W.

Director – Equipment Safety
Electrical Safety Office
20/12/2005

Electrical Safety Office
Department of Industrial Relations
LMB 2234
Brisbane QLD 4001

IEC IECEE CB SCHEME	Ref. Certif. No.
	DE 3 - 53553

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

SYSTEME CEI D'ACCEPTATION MUTUELLE DE CERTIFICATS D'ESSAIS DES EQUIPEMENTS ELECTRIQUES (IECEE) METHODE OC

CB TEST CERTIFICATE
CERTIFICAT D'ESSAI OC

Product Produit	Adaptors (Power Adaptor)
Name and address of the applicant Nom et adresse du demandeur	ENG Electric Co., Ltd. 5F,No.536,Sec.1,MingSheng N.Rd Kweishan Hsiang, Taoyan Hsien, TAIWAN
Name and address of the manufacturer Nom et adresse du fabricant	ENG Electric Co., Ltd., 5F,No.536,Sec.1,MingSheng N.Rd, Kweishan Hsiang, Taoyan Hsien, TAIWAN
Name and address of the factory Nom et adresse de l'usine	Shenzhen Eng Electronics Co., Ltd. China Nuclear Group Ind., East Block, Baishixia, Fuyong, Baoan, Shenzhen, PEOPLE'S REPUBLIC OF CHINA
Rating and principal characteristics Valeurs nominales et caractéristiques principales	Rated input voltage: 100-240 Vac Rated input current: 0.3 A Rated frequency: 50-60 Hz Rated output: See appendix Protection class: II
Trade mark (if any) Marque de fabrique (si elle existe)	ENG
Model/type Ref. Ref. de type	3A-061WPXXY ("XX" can be 03, 05, 12, 18 or 24; "Y" can be A, C, E, U or blank)
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	IEC 60950-1:2001
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	TÜV Product Service 081-50605-000

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

Date, 2005-06-28
CB 05 06 17627 117

TÜV Product Service GmbH · Certification Body · Ridlerstrasse 65 · D-80339 München

TÜV SÜD Product Service

CB 08.04

IEC IECEE CB SCHEME

Ref. Certif. No.

DE 3 – 53553

Appendix to CB Certificate

Brief description of the test sample:

- The equipment is an external Power Adaptor (direct plug-in type) for DC supply of information technology equipment (scanner, notebook PC, LCD monitor... etc.)

-In models name 3A-061WPXXY, where "XX" can be 03, 05, 12, 18 or 24 to denote different output rating; "Y" can be A, C, E, U or blank to denote different plug.

-All models are identical except for output rating, plug type and type designation.

The model is 3A-061WPXXA provided with Australia's type plug.

The model is 3A-061WPXXC provided with China's type plug.

The model is 3A-061WPXXE provided with European type plug.

The model is 3A-061WPXXU provided with United Kingdom's type plug.

The model is 3A-061WPXX provided with US type plug.

The rating of the models are as below:

Model Number	DC Output Rating	Max. Wattage
3A-061WP03Y	3.0-4.0 V	6 W
3A-061WP05Y	4.0-6.0 V	6 W
3A-061WP12Y	9.0-12 V	6 W
3A-061WP18Y	15-18 V	6 W
3A-061WP24Y	20-24 V	6 W

Date, 2005-06-28 Signature:

TÜV SÜD Product Service

CB 08.04

ZERTIFIKAT ◆ CERTIFICATE ◆ 認証書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

Product Service

CERTIFICATE

No. Z1A 05 06 17627 124

Holder of Certificate: **ENG Electric Co., Ltd.**
5F,No.536,Sec.1,MingSheng N.Rd
Kweishan Hsiang, Taoyan Hsien
TAIWAN

Certification Mark:

Product: **Power supply**
(Power Adaptor)

The product meets the requirements of the German Equipment and Product Safety Act. The Certification marks shown above can be affixed on the product. The use of the GS-Mark is permitted until the listed date, the use of the TÜV-Mark is unlimited, unless it is cancelled. See also notes overleaf.

Test report no.: 612105105201

GS-Mark valid until: 2010-06-27

Date, 2005-06-27

TÜV Product Service GmbH · TÜV SÜD Gruppe · Zertifizierstelle · Ridlerstrasse 65 · 80339 München · Germany

ZERTIFIKAT ◆ CERTIFICATE ◆ 認証書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

TÜV SÜD Product Service

CERTIFICATE
No. Z1A 05 06 17627 124

Model(s):

3A-061WPXXE
("XX" can be 03, 05, 12, 18 or 24 to denote different output rating)

Parameters:

Rated input voltage:	100-240 Vac
Rated input current:	0.3 A
Rated frequency:	50-60 Hz
Rated output:	See attachment
Protection class:	II
Max. ambient temperature:	30°C
Degree of protection against ingress of liquids:	Ordinary

Remark: The above models comply with the Limited Power Source (Clause 2.5).

Tested according to:

EN 60950-1/A11:2004

Factory(ies):

16897

TÜV Product Service GmbH · TÜV SÜD Gruppe · Zertifizierstelle · Ridlerstrasse 65 · 80339 München · Germany

TÜV SÜD Taiwan

Attachment to the Certificate No. Z1A 05 06 17627 124

The output ratings & model description of the models are as below:

Model #	Output Voltage	Max. Wattage
3A-061WP03E	3-4 Vdc	6 W
3A-061WP05E	4-6 Vdc	6 W
3A-061WP12E	9-12 Vdc	6 W
3A-061WP18E	15-18 Vdc	6 W
3A-061WP24E	20-24 Vdc	6 W

Date: 2005-06-27

TÜV PRODUCT SERVICE * TAIWAN *

Testing Laboratory

Bill Lin

Bill Lin

Aufbauübersicht für Elektro-und Medizingeräte
Data form for electrical and medical equipment

TÜV SÜD Taiwan

Zertifikat Nr./ Certificate No. Z1A 05 06 17627 124

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Prüfbericht Nr./ Test Report No. 612105105201

Auftraggeber / Applicant: ENG ELECTRIC CO., LTD

Fertigungsstätte / Production facility: 5TH Fl, No.536,Sec 1.Min Sheng N. Rd., Kweishan Hsiang, Taoyuan Hsien, Taiwan

Geräteart / Type of equipment: Switching Adapter

Typenbezeichnung / Type/model: 3A-061WPXXE(XX=03, 05, 12, 18, 24)

Nennspannung/Frequenz / Rated voltage/frequency: 100-240 Vac, 50-60Hz

Nennaufnahme/Nennstrom / Rated input power/current: 0.3A

Ausführung/ Construction:		Ortsfest	Stationary	☐
		Ortsveränderlich	Portable	☒
		Handgerät	Hand-held	☐
		Einbaugerät	Open-frame	☐
Schutzklasse / Protection class:	Schutzklasse I:	Schutzleiteranschluß	PE-connection	☐
	Schutzklasse II:	Schutzisoliert	Double insulation	☒
	Schutzklasse III:	Schutzkleinspannung/ nterne Stromversorgung	SELV/internally powered	☐
Schutzart / Degree of protection against liquids:		Abgedeckt	Ordinary	☒
		Tropfwassergeschützt	Drip proof	☐
		Spritzwassergeschützt	Splash proof	☐
		Wasserdicht	Water tight	☐
Anschlußart / Supply connection:		Feste Anschlußleitung	Nondetachable cord	☐
		Fester Anschluß	Permanent connection	☒
		Gerätesteckvorrichtung	Appliance inlet	☐
Neebetriebsart / Rated operation:		Dauerbetrieb	Continuous operation	☒
		Aussetzbetrieb	Intermittent operation	☐
		Kurzzeitbetrieb	Short time operation	☐

Material: **a) Gehäuse /** Enclosure See next page

b) Leiterplatten / p.c.b. See next page

Zusätzliche Angaben für elektromedizinisches Gerät nach DIN IEC 601 / VDE 0750 Teil 1
Additional information for electromedical equipment according to DIN IEC 601 / VDE 0750 part 1

Gerätetyp / Type: B ☐ Anwendung in Gegenwart von brennbaren Anästhetika/Reinigungsmitteln? **J/N**

BF ☐ Usage in presence of inflammable anaesthetica and/or detergents? **Y/N**

CF ☐ Anäthesiesicher / Anaesthetic proof: **AP** ☐ **APG** ☐

Zusätzliche Angaben für Laser, klassifizierung nach DIN VDE 0837 (IEC 825/84)
Additional information for Laser equipment, classification according to DIN VDE 0837 (IEC 825/84)
Klasse / Class:
Wellenlänge / Wavelength:
Pulsdauer / Pulse duration:

Zusätzliche Information siehe Rückseite / Additional information see last page

TÜV PRODUCT SERVICE * TAIWAN *
Bob Tsai JUN. 21 2005

Ort / place Taipei, Taiwan **Datum / date** 2005/6/7

Stempel und Unterschrift des Auftraggebers / Seal and signature of applicant

Best Testing Lab. Co., Ltd.

Aufbauübersicht für Elektro-und Medizingeräte
Data form for electrical and medical equipment

TÜV SÜD Taiwan

Zertifikat Nr./ Certificate No. Z1A 05 06 17627 124

Seite / Page 2 von / of 7

Prüfbericht Nr./ Test Report No. 612105105201

Im Gerät eingebaute Einzelteile: (Schalter, Temperaturregler, Heizkörper, Stecker, Fassungen, Leitungen, kondensatoren, Motoren und sonstige Wicklungen z. B. Transformatoren, Magnetspulen)
Built-in component: (switch, temperature regulator, heating element, plug, socket, wiring, capacitor, motors and other components with windings e. g. transformers, coils)

Bauteil/ Kind of Component	**Hersteller/** Manufacturer	**Angaben über Typ, Stromstäke, Leistung, Transformatorspezifikationsnummer, Isolationsklasse/**Information about type, current, power, transformer specification number, insulating class		**Püfzeichen von** Test mark from **(VDE, BSI, UL etc.)**	
object/part No.	manufacturer/ trademark	type/model	technical data	standard	mark(s) of conformity
Enclosure and blade holder	GE Plastics	SE1X	V-1, min.2.0mm thick, 105°C	UL94	UL
Plug support	GE Plastics	SE1X	V-1, min.2.0mm thick, 105°C	UL94	UL
Fuse (FR1)	Walter Electronic Co Ltd	ICP	T 1.0A, 250V	IEC 60127-1 IEC 60127-3	VDE, UL
	Littelfuse	677 series…	T 1.0A, 250V	IEC 60127-1 IEC 60127-3	VDE, UL
	Conquer	PTU	T 1.0A, 250V	IEC 60127-1 IEC 60127-3	VDE, UL
	Sleek Co.,Ltd	37 Series	T 1.0A, 250V	UL 248G	UL
	Walter Electronic Co Ltd	TAP	T 1.0A, 250V	UL 248G	UL
Resistor (FR1) (Alternate) 2)	Tzai Yuan Enterprise Co. Ltd.	KNP(NKNP)	10 ohm, 1W	Applicable parts of IEC 60950-1	Tested in appliance
2)	Tai Electronic Co. Ltd.	NKNP	10 ohm, 1W	Applicable parts of IEC 60950-1	Tested in appliance
2)	Synton-tech Corporation	KNP	10 ohm, 1W	Applicable parts of IEC 60950-1	Tested in appliance
2)	Greatland-ohm Enterprise Co. Ltd.	NKNP	10 ohm, 1W	Applicable parts of IEC 60950-1	Tested in appliance
Bridge Diode (BD1)	Various	Various	Rated min., 1.0A, min. 600V	--	--
U1(PWM IC)	Various	Various	Rated min., 0.56A, min.	--	--

TÜV PRODUCT SERVICE * TAIWAN *

Ort / place Taipei, Taiwan **Datum / date** 2005/6/7

Stempel und Unterschrift des Auftraggebers / Seal and signature of applicant

Best Testing Lab. Co., Ltd. Richard Ho

JUN. 21 2005

DEUTSCHLAND Bob Tsai

Zertifizierstelle		Tel:	Fax:
Frankfurt	Ridlerstraße 31, D-80339 München	0049/89/50084-180	0049/89/50084-230
Hannover	Mergenthaleraltee 27, D-65760 Eschborn	0049/6196/9601-0	0049/6196/9601-99
München	Masurenweg 1 -3, D-30163 Hannover	0049/511/96359-0	0049/511/96359-39
Strasskirchen, MIKES	Ridlerstraße 31, D-80339 München	0049/89/50084-0	0049/89/50084-222
	Ohmstraße 2-4, D-94342 Strasskirchen	0049/9424/1031	0049/9424/8533

Aufbauübersicht für Elektro-und Medizingeräte
Data form for electrical and medical equipment

TÜV SÜD Taiwan

Zertifikat Nr./ Certificate No. Z1A 05 06 17627 124

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Prüfbericht Nr./ Test Report No. 612105105201

Im Gerät eingebaute Einzelteile: (Schalter, Temperaturregler, Heizkörper, Stecker, Fassungen, Leitungen, kondensatoren, Motoren und sonstige Wicklungen z. B. Transformatoren, Magnetspulen)
Built-in component: (switch, temperature regulator, heating element, plug, socket, wiring, capacitor, motors and other components with windings e. g. transformers, coils)

Bauteil/ Kind of Component	**Hersteller/** Manufacturer	**Angaben über Typ, Stromstäke, Leistung, Transformatorspezifikationsnummer, Isolationsklasse/**Information about type, current, power, transformer specification number, insulating class		**Püfzeichen von** Test mark from **(VDE, BSI, UL etc.)**	
object/part No.	manufacturer/ trademark	type/model	technical data	standard	mark(s) of conformity [b]
			730 V		
Ripple capacitor (C1)	Various	Electrolytic can type	10-22μF, min. 400V, min. 85°C	--	--
Ripple capacitor (C2)	Various	Electrolytic can type	4.7-10μF, min. 400V, min. 85°C	--	--
Photo coupler (PC1)	Sharp Corp Electronic Components Group	PC 817	Int. CR / Ext. CR / Dti: 5 / > 8 / > 0.7 mm, min. 100°C	VDE 0884 IEC 60950-1	VDE, UL
	Sharp Corp Electronic Components Group	PC123	Int. CR / Ext. CR / Dti: 5 / > 8 / > 0.7 mm, min. 100°C	VDE 0884 IEC 60950-1	VDE, FI, UL
	Isocom Ltd.	4N35X	Int. CR / Ext. CR / Dti: 4.0 / 8.0/ > 0.4 mm, min. 100°C	VDE 0884 IEC 60950-1	VDE, UL
	Lite-On Technology Corp	LTV-817 LTV817M LTV817S	Int. CR / Ext. CR / Dti: 5.2 / 7.8 / > 0.8 mm, min. 100°C	VDE 0884 IEC 60950-1	VDE, FI, UL
	Fairchild Semiconductor Corp	H11A817X	Int. CR / Ext. CR / Dti: 3 / 7.0 / > 1.0 mm, min. 100°C	VDE 0884 IEC 60950-1	VDE, UL
	Cosmo Electronics Corp	K1010	Int. CR / Ext. CR / Dti: 5.3 / 8.0 / > 0.5 mm, min. 100°C	VDE 0884 IEC 60950-1	VDE, FI, UL
	Everlight Electronics Co Ltd.	EL817	Int. CR / Ext. CR / Dti: 6.0 / 7.7 / > 0.5 mm, min. 100°C	VDE 0884 IEC 60950-1	VDE, UL
	Matsushita Electric	ON3171	Int. CR / Ext. CR /	VDE 0884	VDE, FI, UL

TÜV PRODUCT SERVICE TAIWAN

Ort / place Taipei, Taiwan **Datum / date** 2005/6/7

Stempel und Unterschrift des Auftraggebers / Seal and signature of applicant

Best Testing Lab. Co., Ltd. Richard Ho

JUN. 21 2005

Bob Tsai

			Tel:	Fax:
DEUTSCHLAND	Zertifizierstelle	Ridlerstraße 31, D-80339 München	0049/89/50084-180	0049/89/50084-230
	Frankfurt	Mergenthalerallee 27, D-65760 Eschborn	0049/6196/9601-0	0049/6196/9601-99
	Hannover	Masurenweg 1 -3, D-30163 Hannover	0049/511/96359-0	0049/511/96359-39
	München	Ridlerstraße 31, D-80339 München	0049/89/50084-0	0049/89/50084-222
	Strasskirchen, MIKES	Ohmstraße 2-4, D-94342 Strasskirchen	0049/9424/1031	0049/9424/8533

Aufbauübersicht für Elektro-und Medizingeräte
Data form for electrical and medical equipment

TÜV SÜD Taiwan

Zertifikat Nr./ Certificate No. Z1A 05 06 17627 124

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Prüfbericht Nr./ Test Report No. 612105105201

Im Gerät eingebaute Einzelteile: (Schalter, Temperaturregler, Heizkörper, Stecker, Fassungen, Leitungen, kondensatoren, Motoren und sonstige Wicklungen z. B. Transformatoren, Magnetspulen)
Built-in component: (switch, temperature regulator, heating element, plug, socket, wiring, capacitor, motors and other components with windings e. g. transformers, coils)

Bauteil/ Kind of Component	**Hersteller/** Manufacturer	**Angaben über Typ, Stromstäke, Leistung, Transformatorspezifikationsnummer, Isolationsklasse/**Information about type, current, power, transformer specification number, insulating class		**Püfzeichen von** Test mark from **(VDE, BSI, UL etc.)**	
object/part No.	manufacturer/ trademark	type/model	technical data	standard	mark(s) of conformity [1]
	Industrial Co Ltd. Panasonic Corp of North America		Dti: 4.0 / 8.0/ > 0.6 mm, min. 100°C	IEC 60950-1	
	NEC Compound Semiconductor Devices Ltd.	PS2561	Int. CR / Ext. CR / Dti: 4.0 / 8.0 / > 0.6 mm, min. 100°C	VDE 0884 IEC 60950-1	VDE, UL
	Vishay Semiconductor Gmbh	TCET1108, TCET1103, TCET1109	Int. CR / Ext. CR / Dti: 6.0 / 7.7 / > 0.5 mm, min. 100°C	VDE 0884 IEC 60950-1	VDE, FI, UL
	Toshiba Corp., Semiconductor Co, Discrete Semiconductor Div.	TLP721	Int. CR / Ext. CR / Dti: 4.0 / 8.0 / > 0.8 mm, min. 100°C	VDE 0884 IEC 60950-1	VDE, FI, UL
Bridging Cap. Class Y1 type (CY3)(Optional)	TDK	CD	Max. 2200pF, 250V , min. 85°C	IEC 60384-14/ 1993	VDE, FI, UL
	Murata	KX	Max. 2200pF, 250V , min. 85°C	IEC 60384-14/1993	VDE, FI, UL
	Welson	WD	Max. 2200pF, 250V , min. 85°C	IEC 60384-14/ 1993	VDE, FI, UL
	Matsushita	NS-A	Max. 2200pF, 250V , min. 85°C	IEC 60384-14/1993	VDE, FI, UL
	Samsung	AD	Max. 2200pF, 250V , min. 85°C	IEC 60384-14/ 1993	VDE, FI, UL
	Chyun Fuh	CD	Max. 2200pF, 250V , min. 85°C	IEC 60384-14/1993	VDE, FI, UL
	Jyh Chung	JD	Max. 2200pF, 250V , min. 85°C	IEC 60384-14/ 1993	VDE, FI, UL

TÜV PRODUCT SERVICE TAIWAN

Ort / place Taipei, Taiwan **Datum / date** 2005/6/7

Stempel und Unterschrift des Auftraggebers / Seal and signature of applicant

Best Testing Lab. Co., Ltd. Richard Hb

JUN. 21 2005

Bob Tsai

			Tel:	Fax:
DEUTSCHLAND	Zertifizierstelle	Ridlerstraße 31, D-80339 München	0049/89/50084-180	0049/89/50084-230
	Frankfurt	Mergenthalerallee 27, D-65760 Eschborn	0049/6196/9601-0	0049/6196/9601-99
	Hannover	Masurenweg 1 -3, D-30163 Hannover	0049/511/96359-0	0049/511/96359-39
	München	Ridlerstraße 31, D-80339 München	0049/89/50084-0	0049/89/50084-222
	Strasskirchen, MIKES	Ohmstraße 2-4, D-94342 Strasskirchen	0049/9424/1031	0049/9424/8533

Aufbauübersicht für Elektro-und Medizingeräte
Data form for electrical and medical equipment

TÜV SÜD Taiwan

Zertifikat Nr./ Certificate No. Z1A 05 06 17627 124

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Prüfbericht Nr./ Test Report No. 612105105201

Im Gerät eingebaute Einzelteile: (Schalter, Temperaturregler, Heizkörper, Stecker, Fassungen, Leitungen, kondensatoren, Motoren und sonstige Wicklungen z. B. Transformatoren, Magnetspulen)
Built-in component: (switch, temperature regulator, heating element, plug, socket, wiring, capacitor, motors and other components with windings e. g. transformers, coils)

Bauteil/ Kind of Component	**Hersteller/** Manufacturer	**Angaben über Typ, Stromstäke, Leistung, Transformatorspezifikationsnummer, Isolationsklasse/**Information about type, current, power, transformer specification number, insulating class		**Püfzeichen von** Test mark from **(VDE, BSI, UL etc.)**	
object/part No.	manufacturer/ trademark	type/model	technical data	standard	mark(s) of conformity [1]
	Jya-nay	JN	Max. 2200pF, 250V , min. 85°C	IEC 60384-14/1993	VDE, FI, UL
	Success	SE, SB	Max. 2200pF, 250V , min. 85°C	IEC 60384-14, 2nd edition	VDE, FI, UL
Transformer (T1)(for model 3A-061WP03)	Guang Xie	XF00247	Class E	Applicable parts of IEC 60950-1	Tested in appliance
Transformer (T1)(for model 3A-061WP05)	Guang Xie	XF00248	Class E	Applicable parts of IEC 60950-1	Tested in appliance
Transformer (T1)(for model 3A-061WP12)	Guang Xie	XF00249	Class E	Applicable parts of IEC 60950-1	Tested in appliance
Transformer (T1)(for model 3A-061WP18)	Guang Xie	XF00250	Class E	Applicable parts of IEC 60950-1	Tested in appliance
Transformer (T1)(for model 3A-061WP24)	Guang Xie	XF00251	Class E	Applicable parts of IEC 60950-1	Tested in appliance
triple insulation wire	Totoku	TIW-2	155 °C	IEC 60950: 1999	TUV
	Furukawa	TEX-E	120 °C	IEC 60950: 1999	TUV
Transformer (T1)(for model 3A-061WP03)	Young-Shang	XF00247	Class E	Applicable parts of IEC 60950-1	Tested in appliance
Transformer (T1)(for model 3A-061WP05)	Young-Shang	XF00248	Class E	Applicable parts of IEC 60950-1	Tested in appliance
Transformer (T1)(for model 3A-061WP12)	Young-Shang	XF00249	Class E	Applicable parts of IEC 60950-1	Tested in appliance
Transformer (T1)(for model 3A-061WP18)	Young-Shang	XF00250	Class E	Applicable parts of IEC 60950-1	Tested in appliance
Transformer (T1)(for model 3A-061WP24)	Young-Shang	XF00251	Class E	Applicable parts of IEC 60950-1	Tested in appliance

TÜV PRODUCT SERVICE TAIWAN

Ort / place Taipei, Taiwan **Datum / date** 2005/6/7

Stempel und Unterschrift des Auftraggebers / Seal and signature of applicant

Best Testing Lab. Co., Ltd. Richard Ho

JUN. 21 2005

Bob Tsai

			Tel:	Fax:
DEUTSCHLAND	Zertifizierstelle	Ridlerstraße 31, D-80339 München	0049/89/50084-180	0049/89/50084-230
	Frankfurt	Mergenthalerallee 27, D-65760 Eschborn	0049/6196/9601-0	0049/6196/9601-99
	Hannover	Masurenweg 1 -3, D-30163 Hannover	0049/511/96359-0	0049/511/96359-39
	München	Ridlerstraße 31, D-80339 München	0049/89/50084-0	0049/89/50084-222
	Strasskirchen, MIKES	Ohmstraße 2-4, D-94342 Strasskirchen	0049/9424/1031	0049/9424/8533

Aufbauübersicht für Elektro-und Medizingeräte
Data form for electrical and medical equipment

TÜV SÜD Taiwan

Zertifikat Nr./ Certificate No. Z1A 05 06 17627 124

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Prüfbericht Nr./ Test Report No. 612105105201

Im Gerät eingebaute Einzelteile: (Schalter, Temperaturregler, Heizkörper, Stecker, Fassungen, Leitungen, kondensatoren, Motoren und sonstige Wicklungen z. B. Transformatoren, Magnetspulen)
Built-in component: (switch, temperature regulator, heating element, plug, socket, wiring, capacitor, motors and other components with windings e. g. transformers, coils)

Bauteil/ Kind of Component	**Hersteller/** Manufacturer	**Angaben über Typ, Stromstäke, Leistung, Transformatorspezifikationsnummer, Isolationsklasse/**Information about type, current, power, transformer specification number, insulating class		**Püfzeichen von** Test mark from **(VDE, BSI, UL etc.)**	
object/part No.	manufacturer/ trademark	type/model	technical data	standard	mark(s) of conformity [1]
triple insulation wire	Great Holding	TRW(B) XXX series	130 °C	IEC 60950: 1999	TUV
Transformer (T1)(for model 3A-061WP03)	Taiwan Volt	XF00247	Class E	Applicable parts of IEC 60950-1	Tested in appliance
Transformer (T1)(for model 3A-061WP05)	Taiwan Volt	XF00248	Class E	Applicable parts of IEC 60950-1	Tested in appliance
Transformer (T1)(for model 3A-061WP12)	Taiwan Volt	XF00249	Class E	Applicable parts of IEC 60950-1	Tested in appliance
Transformer (T1)(for model 3A-061WP18)	Taiwan Volt	XF00250	Class E	Applicable parts of IEC 60950-1	Tested in appliance
Transformer (T1)(for model 3A-061WP24)	Taiwan Volt	XF00251	Class E	Applicable parts of IEC 60950-1	Tested in appliance
triple insulation wire	Furukawa	TEX-E	120 °C	IEC 60950: 1999	TUV
PCB	various	various	Min. V-1, 130 °C	Applicable parts of IEC 60950-1	Tested in appliance
Mylar sheet (between PCB and enclosure)	various	various	Min. V-2 or VTM-2 better, min. 105 °C	Applicable parts of IEC 60950-1	Tested in appliance

Additional information: (including Production Facility; Max. Ambient Temp.; Mass of equipment (kg); Model Description; Output Rating; etc.)

1. Max. Ambient: 30°C
2. Mass of equipment: 0.067kg

TÜV PRODUCT SERVICE TAIWAN

Ort / place Taipei, Taiwan **Datum / date** 2005/6/7

Stempel und Unterschrift des Auftraggebers / Seal and signature of applicant

Best Testing Lab. Co., Ltd. Richard Hu

JUN. 21 2005

Bob Tsai

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Aufbauübersicht für Elektro-und Medizingeräte
Data form for electrical and medical equipment

Zertifikat Nr./ Certificate No. Z1A 05 06 17627 124

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Prüfbericht Nr./ Test Report No. 612105105201

Taiwan

Im Gerät eingebaute Einzelteile: (Schalter, Temperaturregler, Heizkörper, Stecker, Fassungen, Leitungen, kondensatoren, Motoren und sonstige Wicklungen z. B. Transformatoren, Magnetspulen)
Built-in component: (switch, temperature regulator, heating element, plug, socket, wiring, capacitor, motors and other components with windings e. g. transformers, coils)

Bauteil/ Kind of Component	**Hersteller/** Manufacturer	**Angaben über Typ, Stromstäke, Leistung, Transformatorspezifikationsnummer, Isolationsklasse/**Information about type, current, power, transformer specification number, insulating class		**Püfzeichen von** Test mark from **(VDE, BSI, UL etc.)**	
object/part No.	manufacturer/ trademark	type/model	technical data	standard	mark(s) of conformity [1]

3. All models are same as each other except for main transformer secondary winding and R6, R7 and R8 resistors.

Model Number	Dc Output Rating	Max. Wattage
3A-061WP03E	3.0-4.0 V	6W
3A-061WP05E	4.0-6.0 V	6W
3A-061WP12E	9.0-12 V	6W
3A-061WP18E	15-18 V	6W
3A-061WP24E	20-24 V	6W

TÜV PRODUCT SERVICE *TAIWAN*

Ort / place Taipei, Taiwan **Datum / date** 2005/6/7

Stempel und Unterschrift des Auftraggebers / Seal and signature of applicant

Best Testing Lab. Co., Ltd. Richard Hs

JUN. 2 1 2005

Bob Tsai

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	Strasskirchen, MIKES	Ohmstraße 2-4, D-94342 Strasskirchen	0049/9424/1031	0049/9424/8533

UL International, L.L.C.,
Taiwan Branch

美商優力安全認證有限公司台灣分公司
UL International, L.L.C., Taiwan Branch
台北市112北投區大業路260號1樓
1st Fl 260 Da-Yeh Road Peitou Taipei City Taiwan 112
tel: 886-2-2896-7790 fax: 886-2-2891-7644
http://www.ul.com.tw

NOTICE OF AUTHORIZATION TO APPLY THE UL MARK

August 22, 2005

ENG Electric Co., Ltd.
5th Fl 536 Min Sheng N RdSec 1 Kweishan Hsiang
Taoyuan Hsien Taiwan 333
Fax number: +86-755-27308049

Reference: File E163743 Project 05CA15957

Product: For UL & C-UL Investigation, Direct Plug-In Switching Adapter, Model 3A-061WPXX (XX=03, 05, 12, 18, 24)

Dear Mr. Qiu

Any information and documentation provided to you involving UL Mark services are provided on behalf of Underwriters Laboratories Inc.

UL's Investigation of your products has been completed under the above project number and the subject products were determined to comply with the applicable requirements.

This letter temporarily supplements the UL Follow-Up Services Procedure and serves as authorization to apply the UL Listing Mark only at the factory under UL's Follow-Up Services Program to the subject products which were constructed as described below:

> Identical to Direct-Plug-In Switching Adapter, Models 03A-061WPXX and 03A-061WPXXU, where XX can be 03, 05, 12, 18 or 24, which were submitted to UL for this investigation. The UL records covering the product will be in the Follow-Up Services Procedure, File E163743, Volume X1. Report Reference No.: E163743-A26-UL-1.

To provide the manufacturer with the intended authorization to use the UL Mark, the addressee must send a copy of this Notice and all attached material to each manufacturing location as currently authorized in File E163743, Volume X1.

This authorization is effective from the date of this Notice and only for products at the indicated manufacturing locations. Records in the Follow-Up Services Procedure covering the product are now being prepared and will be sent to the indicated manufacturing locations in the near future. Please note that Follow-Up Services Procedures are sent to the manufacturers only unless the Applicant specifically requests this document.

Products that bear the UL Mark shall be identical to those that were evaluated by UL and found to comply with UL's requirements. If changes in construction are discovered, appropriate action will be taken for products not in conformance with UL's requirements and continued use of the UL Mark may be withdrawn.

Sincerely,

Brian Hsu/an

Brian Hsu
Project Handler
UL International, L.L.C., Taiwan Branch
Tel: (02)2896-7790 Ext. 62402
Fax: (02)2890-7442
E-mail: brian.hsu@tw.ul.com

Reviewed by:

Frank Liu/an

Frank Liu
Project Engineer
Department: 3013CTPI
E-mail: frank.liu@tw.ul.com

CC: Best Testing Lab. Fax.: (02)2790-6338 Attn: Mr. Jackie Chiu