



전기용품안전인증서 Electrical Appliances Safety Certificate

안전인증번호: HU10549-10006A
(Certificate No.)

제조업자명: T-Lab Electronic and Plastic (He Yuan) Company Limited
(Manufacturer)

대표자명: Lam Hung Yat
(President)

제조공장의소재지: Hi-Tech Development Zone, HeYuan, Guangdong 517000 China
(Factory Address)

제품명: 직류전원장치 (AC/DC Adapter)
(Product)

기본모델명: S09-012-0050-02000
(Basic Model)

정격: 100-240 V~, 50/60 Hz, 0.4 A (O/P : 5 Vdc / 2 A)
(Rating)

파생모델명 (Series Model):

S09-012-0050-02000V	S09-012-0055-01800
S09-012-0055-01800V	S09-012-0060-01600
S09-012-0060-01600V	S09-012-0065-01500
S09-012-0065-01500V	S09-012-0070-01400
S09-012-0070-01400V	S09-012-0075-01300
S09-012-0075-01300V	

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

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

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

2010 년 12 월 17 일
(Year) (Month) (Day)



한국기계전기전자시험연구원장
Korea Testing Certification



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

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

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(Receipt No)

1. 기본모델 · 파생모델의 내용 (General Descriptions of Certified Products)

1.1 제품의 설명 (Product description)

인증제품의 개요는 다음과 같다.

(Information on certified basic model product is as follow)

구분(Section)	내용 (Description)
용도 (Normal use)	AC/DC Adaptor. (SMPS Type)
내부구조 (Internal construction)	Consisting of the primary and reinforced or double insulated SELV circuit.
외부구조 (External construction)	Direct plug-in equipment and provided with the plastic enclosure having min. V-1 flammability.
기타(Others)	Class II.

1.2 전기용품의 표시: 전기용품안전 관리법 시행규칙 제15조(안전인증의 표시)에 따라 표시한다.

(Marking of KC Mark: Marking shall comply with enforcement rule Article 15 of the Electrical Appliances Safety Control Law)

1.3 등록모델 (Registered Models)

구분 (Class)	모델명 및 정격 (Model / Rating)	기본모델과의 차이점 (Difference between basic model and series model)
기본모델 (Basic model)	S09-012-0050-02000 100-240 V~, 50/60 Hz, 0.4 A (O/P : 5 Vdc / 2 A)	
파생모델 (Series model)	S09-012-0055-01800	Identical to basic model except for output rating.(5.5 Vdc / 1.8 A)
	S09-012-0060-01600	Identical to basic model except for output rating.(6 Vdc / 1.6 A)
	S09-012-0065-01500	Identical to basic model except for output rating.(6.5 Vdc / 1.5 A)
	S09-012-0070-01400	Identical to basic model except for output rating.(7 Vdc / 1.4 A)
	S09-012-0075-01300	Identical to basic model except for output rating.(7.5 Vdc / 1.3 A)
	S09-012-0050-02000V	Identical to basic model except for Vertical type enclosure.

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S09-012-0055-01800V	Identical to basic model except for Vertical type enclosure and output rating.(5.5 Vdc / 1.8 A)
S09-012-0060-01600V	Identical to basic model except for Vertical type enclosure and output rating.(6 Vdc / 1.6 A)
S09-012-0065-01500V	Identical to basic model except for Vertical type enclosure and output rating.(6.5 Vdc / 1.5 A)
S09-012-0070-01400V	Identical to basic model except for Vertical type enclosure and output rating.(7 Vdc / 1.4 A)
S09-012-0075-01300V	Identical to basic model except for Vertical type enclosure and output rating.(7.5 Vdc / 1.3 A)



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2. 안전관리 부품 및 재질목록(List of Critical Components)

부품명 (Components)	번호 (Part No)	특 성 (Technical Data)	제조사 (Manufacturer)	인증규격 (Certification)
PCB	-	Rated : Minimum V-1, minimum 130 °C	Various	UL
Enclosure	-	Type : GN-5007F, V-0, min. 2.2 mm thick	LG Chemical(Guangzhou) Engineering Plastics	UL
Electrolytic Capacitor	C1	Rated : 15 μ F, minimum 400 V, 105 °C	Various	-
Y-Capacitor	CY1	Type : F, 2200 pF, minimum 250 Vac	Guangdong South Hongming Electronic Science & Technology	IEC VDE
Y-Capacitor	CY1 (alt)	Type : CD, 2200 pF, minimum 250 Vac	Shantou High-New Technology Development Zone Songtian Enterprise	IEC VDE
Y-Capacitor	CY1 (alt)	Type : JN, 2200 pF, minimum 250 Vac	Jya-Nay	IEC VDE
Y-Capacitor	CY1 (alt)	Type : JB, 2200 pF, minimum 250 Vac	Taishan City Juhong Electronics	IEC VDE
Bridge Diode	D1, D2, D3, D4	Rated : min. 1 A, Min. 1000 V	Various	-
Fuse	F1	Type : 334, 1.6 A, 250 Vac	Dongguan Better Electronic Technology	IEC VDE
Fuse	F1 (alt)	Type : 3N, 1.6 A, 250 Vac	Shenzhen Lanson Electronics	IEC VDE
Varistor	MOV1	Type : 07D471K	Lien shun Technical	UL VDE
Varistor	MOV1 (alt)	Type : 7N471K	Joyin	UL VDE
Varistor	MOV1 (alt)	Type : HEL7D471K	Hongzhi Enterprises	UL VDE
Varistor	MOV1 (alt)	Type : SVR-7D471K	Success	UL VDE
Transformer	T1	Type : TEF-21542-XX, Class B	T-Lab Electronic and Plastic(He Yuan) Company Limited	-



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부품명 (Components)	번호 (Part No)	특성 (Technical Data)	제조사 (Manufacturer)	인증규격 (Certification)
Optocoupler	U2	Type : EL817	Everlight	UL VDE
Optocoupler	U2 (alt)	Type : BPC-817	Bright LED	UL VDE
Optocoupler	U2 (alt)	Type : K1010	Cosmo	UL VDE
Optocoupler	U2 (alt)	Type : LTV-817	Lite-On	UL VDE
Optocoupler	U2 (alt)	Type : ORPC-817	ShenZhen Orient Components	UL VDE



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3. 전기용품안전인증의 변경현황(Status of Certificate Revisions)

일자(Date)	발급현황(Status of issues)
2010/12/17	기본+파생모델등록(Basic + Series Model)

4. 기타(Carefully Informed Note)

- 1) 안전관리부품 및 재질목록에 기재된 사항은 전기적인 안전에 직접적인 영향을 주는 부분이므로 내용을 변경 또는 복수등재를 원하는 경우 안전인증변경신청을 하여야 합니다. 안전인증변경신청을 하지 않고 제조자가 임의로 변경하는 경우에는 전기용품안전 관리법 제8조제1항제2호에 의거 안전인증이 취소될 수 있습니다.

(Certificate holder should apply for the revision of certificate issued from Issuing Certification Body if registered critical components would be changed, modified or alternated. Should the contents of Certificate be altered without Safety Certification Modification Application by Certificate holder, Safety Certification(KC Mark) may be withdrawn under Section 2, Paragraph 1, Article 8 of the Electrical Appliances Safety Control Law)

- 2) 정기검사(시료채취포함)를 거부, 방해 또는 기피하는 경우에는 전기용품안전 관리법 제8조제1항제4호에 의거 안전인증이 취소될 수 있습니다.

(If Annual Follow-up Factory Inspection, including sampling representative model by 11 categories of the certified product at factory-site for re-testing, should not have been arranged by Certificate holder, Safety Certification(KC Mark) may be withdrawn under Section 4, Paragraph 1, Article 8 of the Electrical Appliances Safety Control Law)

- 3) 공장주소(전화번호포함), 대표자, 상호 및 부품변경 등 전기용품 안전인증서의 내용이 변경되었을 때 제조자가 안전인증변경신청을 하지 않을 경우에는 전기용품안전 관리법 제8조제1항제3호에 의거 안전인증이 중지 또는 취소될 수 있습니다.

(If Safety Certification Modification Application by Certificate holder should not have been made to Issuing Certification Body, when Factory Address, including telephone/facsimile no., Manufacturer Name, Registered Critical Components, etc would be changed, Safety Certification(KC Mark) may be suspended or withdrawn under Section 3, Paragraph 1, Article 8 of the Electrical Appliances Safety Control Law)

- 4) 조건부 인증사항 (Conditional certification items):

