



# 전기용품안전인증서

## Electrical Appliances Safety Certificate

안전인증번호: HU10150-8012A  
 (Certificate No.)

제조업자명: Shenzhen Eng Electronics Co.,Ltd.  
 (Manufacturer)

대표자명: Hemen Tasi  
 (President)

제조공장의소재지: Block B, Nuclear Group Industrial District, Baishixia, Fuyun Town,  
 (Factory Address) Shenzhen, China

제품명: 직류전원장치 (AC/DC Adapter)  
 (Product)

기본모델명: GT-41076-0605  
 (Basic Model)

정격: 100-240 V~, 50/60 Hz, 0.3 A (O/P : 5.0 Vdc / 1.2 A)  
 (Rating)

파생모델명 (Series Model):

적용기준: K60950-1  
 (Standard) K00022 K00024

「전기용품안전 관리법 시행령」 제4조 제3항의 규정에 의하여 위의 전기용품에 대하여 안전인증서를 교부합니다.

We Issue Electrical Appliances Safety Certification as above product by Article 4 Section 3 of the Electrical Appliance Safety Control Law Operation Rule.



2008 년 6 월 23 일  
 (Year) (Month) (Day)

한국전기전자시험연구원  
 Korea Electric Testing Institute



첨부서류

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

# 기술문서 Technical Document

page: 1 / 4

안전인증번호: HU10150-8012A  
(Certificate No)

접수번호: 20080603 - 0008  
(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 primary and reinforced or double insulated SELV circuits.
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 제14조(안전인증의 표시)에 따라 표시한다.

(Marking of eK Mark: Marking shall comply with enforcement rule Article 14 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)	GT-41076-0605 100-240 V~, 50/60 Hz, 0.3 A (O/P : 5.0 Vdc / 1.2 A)	



# 기술 문서 Technical Document

page: 2 / 4

안전인증번호: HU10150-8012A  
(Certificate No)

접수번호: 20080603 - 0008  
(Receipt No)

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

부품명 (Components)	번호 (Part No)	특 성 (Technical Data)	제조사 (Manufacturer)	인증규격 (Certification)
PCB	-	V-0, 1.0 mm thick	-	UL
Enclosure	-	TYPE : SE1X, V-1, min.0.75 mm thick, 105 °C	GE Plastics	UL
Bridge Diode	BD1	1.0 A, 600 V	-	-
Electrolytic Capacitor	C1	10 $\mu$ F, 400 V, 105 °C	-	-
Electrolytic Capacitor	C2	4.7 $\mu$ F, 400 V, 105 °C	-	-
Bridge Capacitor	CY1	Type : CD, 2200 pF, 250 V, Y1	TDK	IEC
Bridge Capacitor	CY1 (alt)	Type : AD, 2200 pF, 250 V, Y1	Samsung	IEC
Bridge Capacitor	CY1 (alt)	Type : CD, 2200 pF, 250 V, Y1	Chyun Fuh	IEC
Bridge Capacitor	CY1 (alt)	Type : JN, 2200 pF, 250 V, Y1	Jya-nay	IEC
Bridge Capacitor	CY1 (alt)	Type : NS-A, 2200 pF, 250 V, Y1	Matsushita	IEC
Bridge Capacitor	CY1 (alt)	Type : WD, 2200 pF, 250 V, Y1	Welson	IEC
Bridge Capacitor	CY1 (alt)	Type : SE, SB, 2200 pF, 250 V, Y1	Success	IEC
Bridge Capacitor	CY1 (alt)	Type : KX, 2200 pF, 250 V, Y1	Murata	IEC
Bridge Capacitor	CY1 (alt)	Type : JD, 2200 pF, 250 V, Y1	Jyh Chung	IEC
Fusible resistor	FR1	Type : KNP, 10 $\Omega$ , 1W	Tzai Yuan	-
Fusible resistor	FR1 (alt)	Type : KNP, 10 $\Omega$ , 1W	Synton-tech Corporation	-



# 기술문서 Technical Document

page: 3 / 4

안전인증번호: HU10150-8012A  
(Certificate No)

접수번호: 20080603 - 0008  
(Receipt No)

부품명 (Components)	번호 (Part No)	특성 (Technical Data)	제조사 (Manufacturer)	인증규격 (Certification)
Fusible resistor	FR1 (alt)	Type : NKNP, 10 Ω, 1W	Tai Electronic Co. Ltd	-
Fusible resistor	FR1 (alt)	Type : NKNP, 10 Ω, 1W	Greatland-ohm Enterprise Co. Ltd	-
Optocoupler	PC1	Type : PC817	Sharp	VDE
Optocoupler	PC1 (alt)	Type : 4N35X	Iscom Ltd	VDE
Optocoupler	PC1 (alt)	Type : K1010	Cosmo Electronics Corp	VDE
Optocoupler	PC1 (alt)	Type : ON3171	Matsushita Electric Industrial Co Ltd	VDE
Optocoupler	PC1 (alt)	Type : PS2561	NEC	VDE
Optocoupler	PC1 (alt)	Type : TLP721	Toshiba Corp	VDE
Optocoupler	PC1 (alt)	Type : TCET1108, TCET1103, TCET1109	Vishay	VDE
Optocoupler	PC1 (alt)	Type : PC123	Sharp	VDE
Optocoupler	PC1 (alt)	Type : LTV-817, LTV-817M, LTV-817S	Lite-On Technology Corp	VDE
Optocoupler	PC1 (alt)	Type : H11A817X	Fairchild Semiconductor Corp	VDE
Optocoupler	PC1 (alt)	Type : EL817	Everlight Electronics Co Ltd.	VDE
Transformer	T1	Type : XF00249, Class B	Young-Shang	-



# 기술문서 Technical Document

page: 4 / 4

안전인증번호: HU10150-8012A  
(Certificate No)

접수번호: 20080603 - 0008  
(Receipt No)

### 3. 전기용품안전인증의 변경현황(Status of Certificate Revisions)

일자(Date)	발급현황(Status of issues)
2008/06/23	기본모델(Basic 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 제9조제1항제2호에 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 are altered without Safety Certification Modification Application by Certificate holder, Safety Certification(eK Mark) may be withdrawn under Section 2, Paragraph 1, Article 9 of the Electrical Appliances Safety Control Law)

- 2) 정기검사(시료채취포함)를 거부, 방해 또는 기피하는 경우에는 전기용품안전 관리법 제9조제1항제4호에 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 has been arranged by Certificate holder, Safety Certification(eK Mark) may be withdrawn under Section 4, Paragraph 1, Article 9 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 제9조제1항제3호에 의거 안전인증이 중지 또는 취소될 수 있습니다.

(If Safety Certification Modification Application by Certificate holder should not has been made to Issuing Certification Body, when Factory Address, including telephone/facsimile no., Manufacturer Name, Registered Critical Components, etc would be changed, Safety Certification(eK Mark) may be suspended or withdrawn under Section 3, Paragraph 1, Article 9 of the Electrical Appliances Safety Control Law)

- 4) 조건부 인증사항 (Conditional certification items):

