



20121127 - 0047

[별지 제2호서식]

접수번호 :



전기용품안전인증서 Electrical Appliances Safety Certificate

안전인증번호: HU10585-11003B
(Certificate No.)

제조업자명: American Power Conversion Corporation(A.P.C.)B.V.
(Manufacturer)

대표자명: Jim Tobojka
(President)

제조공장의소재지: Lot 10, Block 16 Phase IV, PEZA, Rosario, Cavite 4106 Philippines
(Factory Address)

제품명: 무정전전원장치 (UPS)
(Product)

기본모델명: SURT3000XLI
(Basic Model)

정격: 220-240 V~, 50-60 Hz, 16 A(O/P : 220-240 V~, 50-60 Hz, 2 100
(Rating) W, 3 000 VA)

파생모델명 (Series Model):

SURT3000UXI	SURTD2200XLIM
SURTD3000RMXLI	SURTD3000UXI
SURTD3000XLI	SURTD3000XLIM

적용기준: K 60950-1(2006-12)
(Standard) K62040-2(2008-11)

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

We issue this Electrical Appliances Safety Certificate for the above electrical appliance in accordance with the Article 6(2) of the Enforcement Rule of the Electrical Appliances Safety Control Act.

안전인증 시의 조건 : 동 제품의 생산 시 자체검사를 실시하고
안전인증 시 등록된 부품누락 및 임의 변경하지 말 것.

2012 년 12 월 4 일
(Year) (Month) (Day)



한국기계전기전자시험연구원 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)



기술 문서 Technical Document

page: 1 / 6

안전인증번호: HU10585-11003B
(Certificate No)

접수번호: 20121127 - 0047
(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)	U.P.S (Uninterruptible Power Supply)
내부구조 (Internal construction)	Consisting of rectified circuit, inverter, and charging circuit etc
외부구조 (External construction)	Providing with metal enclosure and appliance inlet, outlet
기타 (Others)	Class I

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)	SURT3000XLI 220-240 V~, 50-60 Hz, 16 A(O/P : 220-240 V~, 50-60 Hz, 2 100 W, 3 000 VA)	
파생모델 (Series model)	SURTD3000XLIM	Identical to basic model except for model designation.
	SURTD2200XLIM	Identical to basic model except for model designation and low battery capacity.
파생모델 (Series model)	SURTD3000XLI	Design, interface ports of secondary and model designation.
	SURTD3000UXI	Design, interface ports of secondary and model designation.
	SURT3000UXI	Design, interface ports of secondary and model designation.
	SURTD3000RMXLI	Design, interface ports of secondary and model designation.



기술 문서 Technical Document

page: 2 / 6

안전인증번호: HU10585-11003B
(Certificate No)

접수번호: 20121127 - 0047
(Receipt No)

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

부품명 (Components)	번호 (Part No)	특성 (Technical Data)	제조사 (Manufacturer)	인증규격 (Certification)
PCB	-	Type : 640-0750C, V-0	Wearnes Greatwall	-
PCB	- (alt)	Type : 640-0750C, V-0	Circuit Co. Ltd	-
PCB	- (alt)	Type : 640-0751C, V-0	Electropac Inc.	-
PCB	- (alt)	Type : 640-0753C, V-0	Electropac Inc.	-
Y-Capacitor	APC (221-0001) C1, C7, C30, C35, C36, C53	Type : WY0472MCMUARK, 4 700 pF, 250 Vac	Vishay/Draloric	IEC
Y-Capacitor	APC (221-0001) C1, C7, C30, C35, C36, C53 (alt)	Type : B472M43Y5UQWJSP, 4 700 pF, 250 Vac	BC Components	IEC
X-Capacitor	APC (232-0105) C709, C710	Type : F1772-510-2000 or F1778-510M2KCTO ECQU2A-105MV	Vishay/Roeders tein	IEC
X-Capacitor	APC (232-0105) C709, C710 (alt)	Type : KNB15301U275V	Nissei Arcotronics	IEC
X-Capacitor	APC (232-0105) C709, C710 (alt)	Type : MPX105K275VAC	Okaya Electric American Inc.	IEC
X-Capacitor	APC (232-0105) C709, C710 (alt)	Type : PA105 or RE105L	Iskra Electronics	IEC
X-Capacitor	APC (232-0105) C709, C710 (alt)	Type : R40105M275BS or R46105M275BRS	Evov-fifa, Inc	IEC
X-Capacitor	APC (232-0105) C709, C710 (alt)	Type : PHE830MF7100M	Tecate Industries	IEC



기술 문서 Technical Document

page: 3 / 6

안전인증번호: HU10585-11003B
(Certificate No)

접수번호: 20121127 - 0047
(Receipt No)

부품명 (Components)	번호 (Part No)	특성 (Technical Data)	제조사 (Manufacturer)	인증규격 (Certification)
X-Capacitor	APC (232-0105) C709, C710 (alt)	Type : MPX105K5KUPOP	Camel Electronics Industrial Corp.	IEC
X-Capacitor	APC (232-0105) C709, C710 (alt)	Type : MPX-275/105M27	Panasonic Industrial	IEC
Optocoupler	APC (349-0100)	Type : ISP817X-77SMT+R	ISOCOM Components	IEC
Optocoupler	APC (349-0100) (alt)	Type : HCPL-817-56B	Aglient Technologies	IEC
Optocoupler	APC (349-0100) (alt)	Type : TCI-K100SB	Taiton Components Inc.	IEC
Optocoupler	APC (349-0100) (alt)	Type : SFH6156-4T	Vishay Ltd	IEC
Optocoupler	APC (360-3120)	Type : QCPL-3121	Hewlett Packard. Inc	IEC
Varistor	APC (380-4200), MV701, MV702	Type : SIOV-S14K420, 420 V, 14 MM, 190 J	Epcos Conditionally Qualified	IEC
Varistor	APC (380-4200), MV701, MV702 (alt)	Type : ERZ-V14D681, 420 V, 14 MM, 190 J	Panasonic Industrial Co.	IEC
Varistor	APC (380-4200), MV701, MV702 (alt)	Type : TVR14681, 420 V, 14 MM, 190 J	Wujin Thinking Electronics Co. Ltd Conditionally Qualified	IEC
Transformer	APC (430-0025B)	Type : 430-0025B, XFMR 230 V, Sense Type2	Eastar	-
Transformer	APC (430-0025B) (alt)	Type : 430-0025B, XFMR 230 V, Sense Type2	Leader International LTD	-
Relay	APC (450-0029) RY1, RY2, RY3, RY4, RY5	Type : HAT901CSDC24-1, 24 V 1/C 30 A, 277 V	Hasco components Int'l Corp	-
Transformer	APC (460-0016A)	Type : 460-0016A, Current XFMR 1:1:2000T	Falco Electronics	-



기술 문서 Technical Document

page: 4 / 6

안전인증번호: HU10585-11003B
(Certificate No)

접수번호: 20121127 - 0047
(Receipt No)

부품명 (Components)	번호 (Part No)	특성 (Technical Data)	제조사 (Manufacturer)	인증규격 (Certification)
Transformer	APC (460-0016A) (alt)	Type : 460-0016A, Current XFMR 1:1:2000T	Suzhou Jia Li Electronics components Co. LTD	-
Fan	APC (490-0006-A)	Type : 4715kl-05W-B30-P00, UL-94V-0 24 Vdc, 9.0 V Min, 10 V to 27.6 V, 2800 rpm, 80 CFM min, 41 dBA max	NMB Technologies	-
Fan	APC (490-0006-A) (alt)	Type : CNDC24B7-034, UL-94V-0 24 Vdc, 9.0 V Min, 10 V to 27.6 V, 2800 rpm, 80 CFM min, 41 dBA max	Japan Servo	-
Fan	APC (490-0006-A) (alt)	Type : KDE2412PMB1-6A, UL-94V-0 24 Vdc, 9.0 V Min, 10 V to 27.6 V, 2800 rpm, 80 CFM min, 41 dBA max	Sunon	-
Fuse	APC (515-1030A), F701, F702	Type : GBH-V-030A6F, 30 A, 500 V, 20 KA, Axial	Bussman	IEC
Circuit-Breaker	APC (530-0004)	Type : ISP321-1BLX-SMD+R, 1600-254-120 MB1-12-S B112S TR11WY63-12A/250 V	Mechanical Product Inc.	IEC
PCB	APC (640-0752A)	Type : 640-0752A, V-0	Electropac Inc.	-
Outlet	APC (770-0006)	Type : 74W-18/22B, 10 A, 250 V	Qualtec electronics Corp.	IEC
Outlet	APC (770-0006) (alt)	Type : 44R02-4121-200, 10 A, 250 V	Power Dynamics Inc.	IEC
Outlet	APC (770-0006) (alt)	Type : IS-111, R-302G4 (00), 10 A, 250 V	I-sheng electronics Wire & Cable	IEC
Outlet	APC (770-0006) (alt)	Type : SRM-045-1, 10 A, 250 V	Richbay company LTD	IEC
Outlet	APC (770-0006) (alt)	Type : WS-045A, 10 A, 250 V	Well Shin Enterprises Co. Ltd.	IEC
Outlet	APC (770-0051)	Type : 6653-330, 16 A, 250 V, C19PNL	SCHURTER Inc	IEC
Outlet	APC (770-0051) (alt)	Type : 0723-CW, 16 A, 250 V, C19PNL	Inalways	IEC
Outlet	APC (770-0051) (alt)	Type : Ws 042 3, 16 A, 250 V, C19PNL	Well Shin Enterprises Co. LTD	IEC
Outlet	APC (770-0051) (alt)	Type : OH5016-6-6.3,,, 16 A, 250 V, C19PNL	Fclcr U.S. Corporation	IEC



기술 문서 Technical Document

page: 5 / 6

안전인증번호: HU10585-11003B
(Certificate No)

접수번호: 20121127 - 0047
(Receipt No)

부품명 (Components)	번호 (Part No)	특성 (Technical Data)	제조사 (Manufacturer)	인증규격 (Certification)
Outlet	APC (770-0051) (alt)	Type : 83011350, 16 A, 250 V, C19PNL	Panasonic Elec. Components Division	IEC
Outlet	APC (770-0270)	Type : R-302G3 (B202), 10 A, 250 V	Rich Bay	IEC
Inlet	APC (770-0808)	Type : 1600-254-120, 12 A, 250 V	Qualtec Elex Corp.	IEC
Inlet	APC (770-0808) (alt)	Type : B112S, TR11WY63-12A, 12 A, 250 V	Advance Prod. Inc.	IEC
Inlet	APC (770-0808) (alt)	Type : MB1-12-S, 12 A, 250 V	Schurter	IEC
Battery	APC (910-6003)	Type : 42R07-3121-150, HR1221WF2, 12 V, 5.1 Ah, 0.25FO BF	CSB Battery of America Corp.	-
Battery	APC (910-6003) (alt)	Type : 742R07-3121-150, BP5-12, 12 V, 5.1 Ah, 0.25FO BF	B & B Battery Co.	-



기술문서 Technical Document

page: 6 / 6

안전인증번호: HU10585-11003B
(Certificate No)

접수번호: 20121127 - 0047
(Receipt No)

3. 전기용품안전인증의 변경현황 (Status of Certificate Revisions)

일자(Date)	발급현황(Status of issues)
	변경내용(Modification of Contents)
2011/04/27	기본+파생모델등록(Basic + Series Model)
2012/12/04	재발급+파생모델등록(Re-issue of Certificate + 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 are 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 has 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 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(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):

