



# 안전인증서 Safety Certificate

안전인증번호: HU10934-18002A  
(Certificate No.)

제조업자/수입업자명: Xinsu Global Electronic Co., Limited  
(Manufacturer/importer)

주소: 3rd Floor No.1 Building A, Shenhuaeye Bao'An Industrial Park,  
(Address) Xixiang Western Development Zone, Bao'an District, Shenzhen City,  
GuangDong, China 518128

제품명: 직류전원장치  
(Product)

기본모델명: XSG2947000  
(Basic Model)

파생모델명 (Series Model):

- |             |             |
|-------------|-------------|
| XSG18010000 | XSG1808500  |
| XSG1809000  | XSG18310000 |
| XSG1838500  | XSG1839000  |
| XSG1839500  | XSG19010000 |
| XSG1908000  | 이면기재        |

정격/안전기준상의 모델구분: 100-240 V~, 50/60 Hz, 3.0 A (O/P : 29.4 Vdc, 7 A)  
(Rating)

시험기준: K 60950-1(2011-12)  
(Standard)

본 인증서는 제조국명: 중국  
 제조업자명: Xinsu Global Electronic Co., Limited  
 제조공장의 주소: 3rd Floor No.1 Building A, Shenhuaeye Bao'An Industrial Park,  
 Xixiang Western Development Zone, Bao'an District, Shenzhen  
 City, GuangDong, China 518128  
 의 제품에만 해당함

「전기용품 및 생활용품 안전관리법 시행규칙」 제9조제2항·제4항 또는 제10조제2항에 따라 안전인증서를 발급합니다.  
We issue this Safety Certificate for the above appliances in accordance with the Article 9(2), 9(4) or 10(2) of the Enforcement Rule of the Electrical Appliances and Consumer Products Safety Control Act.

2018 년 01 월 10 일  
(Year) (Month) (Day)



## 한국기계전기전자시험연구원 Korea Testing Certification



※ 이 인증서는 「전기용품 및 생활용품 안전관리법」에 따른 제품의 안전성 확인에 한정된 것이며, 그 밖의 다른 법률이 적용되는 제품의 경우에는 해당 법률에 따라 추가로 인증·허가 등을 받아야 합니다.

첨부서류	1. 전기용품의 안전관리부품 및 재질목록 (List of Critical Components) 2. 기본모델·파생모델의 내용 (Descriptions of the basic and series model) 3. 안전인증의 변경 현황 (Revisions Status)
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XSG1909000  
XSG1958000  
XSG1959000  
XSG2007500  
XSG2009000  
XSG2107500  
XSG2108500  
XSG2257000  
XSG2258500  
XSG2406500  
XSG2407500  
XSG2408330  
XSG2525500  
XSG2527000  
XSG2806000  
XSG2925000  
XSG2926500  
XSG2945000  
XSG2946000  
XSG3005000  
XSG3006000  
XSG3205000

XSG1957700  
XSG1958500  
XSG1959500  
XSG2008000  
XSG2009500  
XSG2108000  
XSG2109000  
XSG2258000  
XSG2406250  
XSG2407000  
XSG2408000  
XSG2408500  
XSG2526000  
XSG2528000  
XSG2807000  
XSG2926000  
XSG2927000  
XSG2945500  
XSG2946500  
XSG3005500  
XSG3006500  
XSG3206000





# 안전인증서 Safety Certificate

안전인증번호: HU10934-18003A  
(Certificate No.)

제조업자/수입업자명: Xinsu Global Electronic Co., Limited  
(Manufacturer/importer)

주소: 3rd Floor No.1 Building A, Shenhuaeye Bao'An Industrial Park,  
Xixiang Western Development Zone, Bao'an District, Shenzhen City,  
GuangDong, China 518128

제품명: 직류전원장치  
(Product)

기본모델명: XSG3606000  
(Basic Model)

파생모델명 (Series Model):

- |            |            |
|------------|------------|
| XSG3365000 | XSG3365500 |
| XSG3366000 | XSG3504500 |
| XSG3505000 | XSG3505500 |
| XSG3506000 | XSG3604500 |
| XSG3605000 | 이면기재       |

정격/안전기준상의 모델구분: 100-240 V~, 50/60 Hz, 3.0 A (O/P : 36 Vdc, 6 A)  
(Rating)

시험기준: K 60950-1(2011-12)  
(Standard)

본 인증서는 제조국명: 중국  
제조업자명: Xinsu Global Electronic Co., Limited  
제조공장의 주소: 3rd Floor No.1 Building A, Shenhuaeye Bao'An Industrial Park,  
Xixiang Western Development Zone, Bao'an District, Shenzhen  
City, GuangDong, China 518128  
의 제품에만 해당함

「전기용품 및 생활용품 안전관리법 시행규칙」 제9조제2항·제4항 또는 제10조제2항에 따라 안전인증서를 발급합니다.  
We issue this Safety Certificate for the above appliances in accordance with the Article 9(2), 9(4) or 10(2) of the Enforcement Rule of the Electrical Appliances and Consumer Products Safety Control Act.

2018 년 01 월 10 일  
(Year) (Month) (Day)



## 한국기계전기전자시험연구원장 Korea Testing Certification



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첨부서류	<ol style="list-style-type: none"> <li>1. 전기용품의 안전관리부품 및 재질목록 (List of Critical Components)</li> <li>2. 기본모델·파생모델의 내용 (Descriptions of the basic and series model)</li> <li>3. 안전인증의 변경 현황 (Revisions Status)</li> </ol>
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XSG3605500  
XSG3785000  
XSG3804500  
XSG4024000  
XSG4025000  
XSG4203500  
XSG4204500  
XSG4403500  
XSG4404500  
XSG4504000  
XSG4623500  
XSG4803500  
XSG4804250  
XSG5044000  
XSG5113500  
XSG5463000  
XSG5463700  
XSG5802500  
XSG5803500  
XSG5843000  
XSG5882500  
XSG5883500

XSG3784500  
XSG3804000  
XSG3805000  
XSG4024500  
XSG4203000  
XSG4204000  
XSG4205000  
XSG4404000  
XSG4503500  
XSG4504500  
XSG4624000  
XSG4804000  
XSG5043000  
XSG5113000  
XSG5114000  
XSG5463500  
XSG5463750  
XSG5803000  
XSG5842500  
XSG5843500  
XSG5883000





# 안전인증서 Safety Certificate

안전인증번호: HU10934-18003A  
(Certificate No.)

제조업자/수입업자명: Xinsu Global Electronic Co., Limited  
(Manufacturer/importer)

주소: 3rd Floor No.1 Building A, Shenhuaeye Bao'An Industrial Park,  
Xixiang Western Development Zone, Bao'an District, Shenzhen City,  
GuangDong, China 518128

제품명: 직류전원장치  
(Product)

기본모델명: XSG3606000  
(Basic Model)

파생모델명 (Series Model):

- |            |            |
|------------|------------|
| XSG3365000 | XSG3365500 |
| XSG3366000 | XSG3504500 |
| XSG3505000 | XSG3505500 |
| XSG3506000 | XSG3604500 |
| XSG3605000 | 이면기재       |

정격/안전기준상의 모델구분: 100-240 V~, 50/60 Hz, 3.0 A (O/P : 36 Vdc, 6 A)  
(Rating)

시험기준: K 60950-1(2011-12)  
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2018 년 01 월 10 일  
(Year) (Month) (Day)



## 한국기계전기전자시험연구원장 Korea Testing Certification



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첨부서류	<ol style="list-style-type: none"> <li>1. 전기용품의 안전관리부품 및 재질목록 (List of Critical Components)</li> <li>2. 기본모델·파생모델의 내용 (Descriptions of the basic and series model)</li> <li>3. 안전인증의 변경 현황 (Revisions Status)</li> </ol>
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XSG3605500  
XSG3785000  
XSG3804500  
XSG4024000  
XSG4025000  
XSG4203500  
XSG4204500  
XSG4403500  
XSG4404500  
XSG4504000  
XSG4623500  
XSG4803500  
XSG4804250  
XSG5044000  
XSG5113500  
XSG5463000  
XSG5463700  
XSG5802500  
XSG5803500  
XSG5843000  
XSG5882500  
XSG5883500

XSG3784500  
XSG3804000  
XSG3805000  
XSG4024500  
XSG4203000  
XSG4204000  
XSG4205000  
XSG4404000  
XSG4503500  
XSG4504500  
XSG4624000  
XSG4804000  
XSG5043000  
XSG5113000  
XSG5114000  
XSG5463500  
XSG5463750  
XSG5803000  
XSG5842500  
XSG5843500  
XSG5883000



# 기술문서 Technical Document

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안전인증번호: HU10934 -18003A  
(Certificate No)

접수번호: 20171127 - 0025  
(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)	The apparatus designed to be used for converting AC main voltage to DC low voltage.
내부구조 (Internal construction)	The apparatus consists of Switching transformer, rectifying part etc.
외부구조 (External construction)	Providing with plastic enclosure having min. V-1 flammability and appliance inlet.
기타 (Others)	Class II

1.2 전기용품의 표시: 전기용품 및 생활용품 안전관리법 시행규칙 제19조(안전인증의 표시)에 따라 표시한다.  
(Marking of KC Mark: Marking shall comply with the Article 19 of the Enforcement Rule of the Electrical Appliances and Consumer Products Safety Control Act.)

### 1.3 등록모델 (Registered Models)

구분 (Class)	모델명 및 정격 (Model / Rating)		기본모델과의 차이점 (Difference between basic model and series model)
기본모델 (Basic model)	XSG3606000	100-240 V~, 50/60 Hz, 3.0 A (O/P : 36 Vdc, 6 A)	
파생모델 (Series model)	XSG3365000		Input Power (209 W) and Output rating (O/P: 33.6 Vdc, 5 A)
	XSG3365500		Input Power (216 W) and Output rating (O/P: 33.6 Vdc, 5.5 A)
	XSG3366000		Input Power (229 W) and Output rating (O/P: 33.6 Vdc, 6 A)
	XSG3504500		Input Power (211 W) and Output rating (O/P: 35 Vdc, 4.5 A)
	XSG3505000		Input Power (209 W) and Output rating (O/P: 35 Vdc, 5.0 A)
	XSG3505500		Input Power (219 W) and Output rating (O/P: 35 Vdc, 5.5 A)
	XSG3506000		Input Power (239 W) and Output rating (O/P: 35 Vdc, 6.0 A)



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(Receipt No)

XSG3604500	Input Power (206 W) and Output rating (O/P: 36 Vdc, 4.5 A)
XSG3605000	Input Power (215 W) and Output rating (O/P: 36 Vdc, 5.0 A)
XSG3605500	Input Power (225 W) and Output rating (O/P: 36 Vdc, 5.5 A)
XSG3784500	Input Power (213 W) and Output rating (O/P: 37.8 Vdc, 4.5 A)
XSG3785000	Input Power (215 W) and Output rating (O/P: 37.8 Vdc, 5.0 A)
XSG3804000	Input Power (209 W) and Output rating (O/P: 38 Vdc, 4.0 A)
XSG3804500	Input Power (212 W) and Output rating (O/P: 38 Vdc, 4.5 A)
XSG3805000	Input Power (216 W) and Output rating (O/P: 38 Vdc, 5.0 A)
XSG4024000	Input Power (211 W) and Output rating (O/P: 40.2 Vdc, 4.0 A)
XSG4024500	Input Power (216 W) and Output rating (O/P: 40.2 Vdc, 4.5 A)
XSG4025000	Input Power (228 W) and Output rating (O/P: 40.2 Vdc, 5.0 A)
XSG4203000	Input Power (203 W) and Output rating (O/P: 42 Vdc, 3.0 A)
XSG4203500	Input Power (208 W) and Output rating (O/P: 42 Vdc, 3.5 A)
XSG4204000	Input Power (212 W) and Output rating (O/P: 42 Vdc, 4.0 A)
XSG4204500	Input Power (215 W) and Output rating (O/P: 42 Vdc, 4.5 A)
XSG4205000	Input Power (239 W) and Output rating (O/P: 42 Vdc, 5.0 A)
XSG4403500	Input Power (207 W) and Output rating (O/P: 44 Vdc, 3.5 A)
XSG4404000	Input Power (204 W) and Output rating (O/P: 44 Vdc, 4.0 A)
XSG4404500	Input Power (225 W) and Output rating (O/P: 44 Vdc, 4.5 A)
XSG4503500	Input Power (204 W) and Output rating (O/P: 45 Vdc, 3.5 A)
XSG4504000	Input Power (215 W) and Output rating (O/P: 45 Vdc, 4.0 A)





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안전인증번호: HU10934 -18003A  
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접수번호: 20171127 - 0025  
(Receipt No)

XSG4504500	Input Power (230 W) and Output rating (O/P: 45 Vdc, 4.5 A)
XSG4623500	Input Power (212 W) and Output rating (O/P: 46.2 Vdc, 3.5 A)
XSG4624000	Input Power (210 W) and Output rating (O/P: 46.2 Vdc, 4.0 A)
XSG4803500	Input Power (206 W) and Output rating (O/P: 48 Vdc, 3.5 A)
XSG4804000	Input Power (218 W) and Output rating (O/P: 48 Vdc, 4.0 A)
XSG4804250	Input Power (232 W) and Output rating (O/P: 48 Vdc, 4.25 A)
XSG5043000	Input Power (204 W) and Output rating (O/P: 50.4 Vdc, 3.0 A)
XSG5044000	Input Power (238 W) and Output rating (O/P: 50.4 Vdc, 4.0 A)
XSG5113000	Input Power (203 W) and Output rating (O/P: 51.1 Vdc, 3.0 A)
XSG5113500	Input Power (213 W) and Output rating (O/P: 51.1 Vdc, 3.5 A)
XSG5114000	Input Power (232 W) and Output rating (O/P: 51.1 Vdc, 4.0 A)
XSG5463000	Input Power (212 W) and Output rating (O/P: 54.6 Vdc, 3.0 A)
XSG5463500	Input Power (219 W) and Output rating (O/P: 54.6 Vdc, 3.5 A)
XSG5463700	Input Power (239 W) and Output rating (O/P: 54.6 Vdc, 3.7 A)
XSG5463750	Input Power (241 W) and Output rating (O/P: 54.6 Vdc, 3.75 A)
XSG5802500	Input Power (208 W) and Output rating (O/P: 58 Vdc, 2.5 A)
XSG5803000	Input Power (203 W) and Output rating (O/P: 58 Vdc, 3.0 A)
XSG5803500	Input Power (231 W) and Output rating (O/P: 58 Vdc, 3.5 A)
XSG5842500	Input Power (204 W) and Output rating (O/P: 58.4 Vdc, 2.5 A)
XSG5843000	Input Power (212 W) and Output rating (O/P: 58.4 Vdc, 3.0 A)
XSG5843500	Input Power (239 W) and Output rating (O/P: 58.4 Vdc, 3.5 A)



기술 문서  
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안전인증번호: HU10934 -18003A  
(Certificate No)

접수번호: 20171127 - 0025  
(Receipt No)

XSG5882500	Input Power (204 W) and Output rating (O/P: 58.8 Vdc, 2.5 A)
XSG5883000	Input Power (200 W) and Output rating (O/P: 58.8 Vdc, 3.0 A)
XSG5883500	Input Power (234 W) and Output rating (O/P: 58.8 Vdc, 3.5 A)





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

부품명(회로기호) Components(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 (Technical Data)	인증규격 (Certification)
Enclosure	SABIC INNOVATIVE PLASTICS US L L C	940 (f1)	PC, V-0, 120 ℃, Min. thickness 1.5 mm	UL
Enclosure (alt)	TEIJIN LIMITED RESIN AND PLASTIC	LN-1250G(#)(*)	PC, V-0, 115 ℃, Min. thickness 1.5 mm	UL
Enclosure (alt)	SABIC INNOVATIVE PLASTICS B V	LTA6020 (f1)	PPHOX/PS, V-0, 125 ℃, Min. thickness 1.5 mm	UL
Enclosure (alt)	Trinseo (Hong Kong) LTD	EMERGE PC 8600(a)	PC, V-0, 125 ℃, Min. thickness 1.5 mm	UL
AC Inlet	Zhejiang LECI Electronics Co., Ltd	DB-8	250 VAC, 2.5 A, 70 ℃, C8 type	IEC
AC Inlet (alt)	Dongguan HUACONN Electronics Co., Ltd	HC-88-xx- Series	250 VAC, 2.5 A, 70 ℃, C8 type	IEC
AC Inlet (alt)	Zhe Jiang Bei Er Jia Electronic Co., Ltd.	ST-A03-005	250 VAC, 2.5 A, 70 ℃, C8 type	IEC
PCB	SHENZHEN CHENGYONGX IN PRECISION CIRCUIT CO LTD	CYX-D	V-0, 130 ℃	UL
PCB (alt)	SHENZHEN PINGTAI CIRCUIT BOARD CO LTD	PT-D	V-0, 130 ℃	UL
PCB (alt)	SHANDONG JINBAO ELECTRONICS CO LTD	ZD-9F, ZD- 95(G)F	V-0, 130 ℃	UL
PCB (alt)	Interchangeable	Interchangeable	V-0 or better, minimum 130 ℃	UL
Fuse (F1)	Shenzhen Lanson Electronics Co. Ltd.	SMT	T5 AL, 250 VAC	IEC

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접수번호: 20171127 - 0025  
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부품명(회로기호) Components(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 (Technical Data)	인증규격 (Certification)
Fuse (F1) (alt)	Conquer Electronics Co., Ltd.	MST	T5 AL, 250 VAC	IEC
Fuse (F1) (alt)	Ever Island Electric Co., Ltd. and Walter Electric	2010	T5 AL, 250 VAC	IEC
Inductor (FL1)	SHENZHEN CHENG YEXIN ELECTRONIC TECHNOLOGY CO., LTD	T14×8×7	130 ℃	-
Inductor (FL2)	SHENZHEN CHENG YEXIN ELECTRONIC TECHNOLOGY CO., LTD	T20×10×10	130 ℃	-
Inductor (L1)	SHENZHEN CHENG YEXIN ELECTRONIC TECHNOLOGY CO., LTD	T68-26A	130 ℃	-
Inductor (L1) (alt)	SHENZHEN CHENG YEXIN ELECTRONIC TECHNOLOGY CO., LTD	T80-26	130 ℃	-
Triple insulation wire (of FL1)	Ta Ya Electric Wire & Cable Co Ltd	TILW-E	130 ℃	VDE
Triple insulation wire (of FL1) (alt)	FURUKAWA ELECTRIC CO LTD	TEX-E	130 ℃	VDE
X-capacitor (CX1)	Europronic (SuZhou) Co. Ltd	MPX, MPX2	Max. 0.68 uF, Min. 275 VAC, X2	IEC
X-capacitor (CX1) (alt)	Shantou High-New Technology Dev. Zone Songtian Enterprise Co., Ltd.	MPX	Max. 0.68 uF, Min. 275 VAC, X2	IEC
X-capacitor (CX1) (alt)	Xiamen Faratronic Co. Ltd.	MKP62	Max. 0.68 uF, Min. 275 VAC, X2	IEC





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(Certificate No)

접수번호: 20171127 - 0025  
(Receipt No)

부품명(회로기호) Components(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 (Technical Data)	인증규격 (Certification)
X-capacitor (CX1) (alt)	Dongguan City Jurcc Electronics Co Ltd	MPX	Max. 0.68 uF, Min. 275 VAC, X2	IEC
Bleed resistor (R1, R1A, R2, R2A)	Interchangeable	Interchangeable	1.0 Mohm, Min. 1/4 W for each	-
Current sensor resistor (R5)	Interchangeable	Interchangeable	0.1 ohm, Min. 2 W	-
Y-capacitor (CY1)	Hsuan Tai Electronics Co Ltd	CY	Max. 2200 pF, Min. 250 VAC, Y1	IEC
Y-capacitor (CY1) (alt)	Shaanxi Huaxing Electronic Development Co. Ltd.	CT7Y1	Max. 2200 pF, Min. 250 VAC, Y1	IEC
Y-capacitor (CY1) (alt)	Dongguan City Dafu Electronics Co. Ltd.	CT7 Y1 Series	Max. 2200 pF, Min. 250 VAC, Y1	IEC
Y-capacitor (CY1) (alt)	Xiangtai Electronics (Shenzhen) Co., Ltd.	YO-series	Max. 2200 pF, Min. 250 VAC, Y1	IEC
Y-capacitor (CY1) (alt)	Shantou High- New Technology Developmnt Zone Songtian Enterprise Co Ltd	CD	Max. 2200 pF, Min. 250 VAC, Y1	IEC
Y-capacitor (CY1) (alt)	JYA-NAY CO., LTD	JN	Max. 2200 pF, Min. 250 VAC, Y1	IEC
Y-capacitor (CY4, CY5)	Hsuan Tai Electronics Co Ltd	CY	Max. 1000 pF, Min. 250 VAC, Y1	IEC
Y-capacitor (CY4, CY5) (alt)	Shaanxi Huaxing Electronic Development Co. Ltd	CT7Y1	Max. 1000 pF, Min. 250 VAC, Y1	IEC
Y-capacitor (CY4, CY5) (alt)	Dongguan City Dafu Electronics Co. Ltd	CT7 Y1 Series	Max. 1000 pF, Min. 250 VAC, Y1	IEC



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(Certificate No)

접수번호: 20171127 - 0025  
(Receipt No)

부품명(회로기호) Components(Part no.)	제조사(상표명) Manufacturer (Brand)	모델명(형식) Model (Type)	정격 또는 특성 (Technical Data)	인증규격 (Certification)
Y-capacitor (CY4, CY5) (alt)	Xiangtai Electronics (Shenzhen) Co., Ltd.	YO-series	Max. 1000 pF, Min. 250 VAC, Y1	IEC
Y-capacitor (CY4, CY5) (alt)	Shantou High-New Technology Developmnt Zone Songtian Enterprise Co Ltd	CD	Max. 1000 pF, Min. 250 VAC, Y1	IEC
Y-capacitor (CY4, CY5) (alt)	JYA-NAY CO., LTD	JN	Max. 1000 pF, Min. 250 VAC, Y1	IEC
Y-capacitor (CY6, CY7)	Hsuan Tai Electronics Co Ltd	CY	Max. 220 pF, Min. 250 VAC, Y1	IEC
Y-capacitor (CY6, CY7) (alt)	Shaanxi Huaxing Electronic Development Co. Ltd	CT7Y1	Max. 220 pF, Min. 250 VAC, Y1	IEC
Y-capacitor (CY6, CY7) (alt)	Dongguan City Dafu Electronics Co. Ltd.	CT7 Y1 Series	Max. 220 pF, Min. 250 VAC, Y1	IEC
Y-capacitor (CY6, CY7) (alt)	Xiangtai Electronics (Shenzhen) Co., Ltd	YO-series	Max. 220 pF, Min. 250 VAC, Y1	IEC
Y-capacitor (CY6, CY7) (alt)	Shantou High-New Technology Developmnt Zone Songtian Enterprise Co Ltd	CD	Max. 220 pF, Min. 250 VAC, Y1	IEC
Y-capacitor (CY6, CY7) (alt)	JYA-NAY CO., LTD	JN	Max. 220 pF, Min. 250 VAC, Y1	IEC
Opto-coupler (U2)	Cosmo Electronics Corp	KP1010, K1010, KPC817	Dti. ≥ 0.4 mm	IEC
Opto-coupler (U2) (alt)	Lite-On Technology Corp	LTV-817	Dti. ≥ 0.4 mm	IEC
Opto-coupler (U2) (alt)	Everlight Electronics Co Ltd	EL817	Dti. ≥ 0.5 mm	IEC





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(Receipt No)

부품명(회로기호) Components(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 (Technical Data)	인증규격 (Certification)
Opto-coupler (U2) (alt)	Everlight Electronics Co Ltd	BPC-817 (A; B; C; D; L), BPC-817S, BPC-817M	Dti. $\geq$ 0.5 mm	IEC
Transformer (T1)	Shenzhen Xindahui Electronics Co., Ltd	TR-200-T3 XDH-E50-7575 E50 EE-50	Class B	-
Transformer (T1) (alt)	Hang Sing Industrial Co., Ltd	TR-200-T3 XDH-E50-7575 E50 EE-50	Class B	-
Transformer (T1) (alt)	Shenzhen Neo Technology Co., Ltd	TR-200-T3 XDH-E50-7575 E50 EE-50	Class B	-
Transformer (T1) (alt)	Dongguan City Lineng Electronic Co., Ltd	TR-200-T3 XDH-E50-7575 E50 EE-50	Class B	-
Bobbin (of T1)	CHANG CHUN PLASTICS CO LTD	T200NA	Phenolic, V-0, 150 $^{\circ}$ C, Min. thickness 0.38 mm	UL
Triple insulated wire (of T1)	Totoku Electric Co. Ltd.	TIW-3	Reinforced insulation, 155 $^{\circ}$ C	VDE



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안전인증번호: HU10934 -18003A  
(Certificate No)

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(Receipt No)

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

일자(Date)	발급현황(Status of issues)
	변경내용(Modification of Contents)
2018/01/10	기본+파생모델등록(Basic + Series Model)

### 4. 기타(Carefully Informed Note)

- 1) 안전관리부품 및 재질목록에 기재된 사항은 안전에 직접적인 영향을 주는 부분이므로 내용을 변경 또는 복수등재를 원하는 경우 안전인증변경신청 또는 안전확인변경신고를 하여야 합니다. 안전인증변경신청 또는 안전확인변경신고를 하지 않고 임의로 변경하는 경우에는 전기용품 및 생활용품 안전관리법에 따라 행정조치 될 수 있습니다.

The certificate holder should apply for a revision of the certificate if the registered critical components are to be changed, modified or alternated. Should the contents of Certificate are altered without the application for the modification, the administrative measures can occur according to the Electrical Appliances and Consumer Products Safety Control Act.

- 2) 정기검사(시료채취포함)를 거부, 방해 또는 기피하는 경우에는 전기용품 및 생활용품 안전관리법 제11조에 따라 안전인증이 취소될 수 있습니다.

If 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 according to the Article 11 of the Electrical Appliances and Consumer Products Safety Control Act.

- 3) 공장주소(전화번호포함), 대표자, 상호 및 부품변경, 신고인정보 등 안전인증 또는 안전확인신고의 내용이 변경되었을 때, 안전인증변경신청 또는 안전확인변경신고를 하지 않을 경우에는 전기용품 및 생활용품 안전관리법에 따라 행정조치 될 수 있습니다.

Should a factory address, president name, manufacturer name and critical component are altered without the application for the modification, the administrative measures can occur according to the Electrical Appliances and Customer Products Safety Control Act.

- 4) 조건부 인증사항 (Conditional certification items):





# 기술문서붙임자료

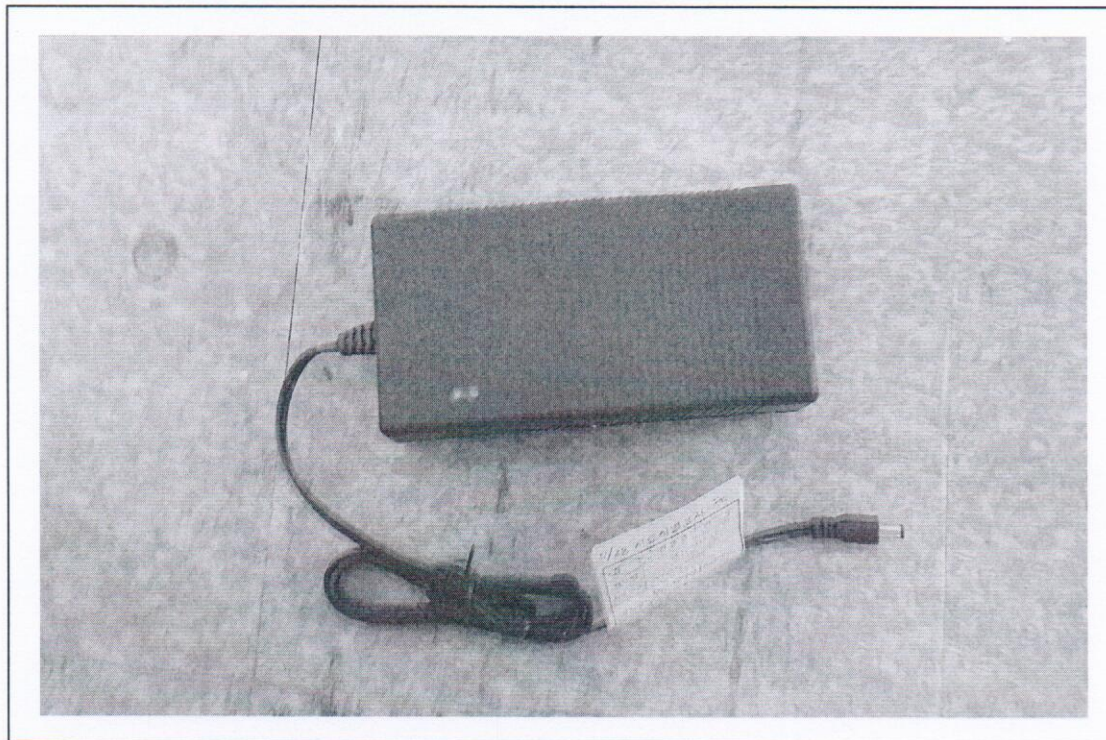
안전인증번호 : HU10934-18003A

접수번호 : 20171127-0025

## No.1 표시사항



## No.2 외부사진





# 기술문서붙임자료

안전인증번호: HU10934-18003A

접수번호: 20171127-0025

No.3 외부사진



No.4 외부사진





# 기술문서붙임자료

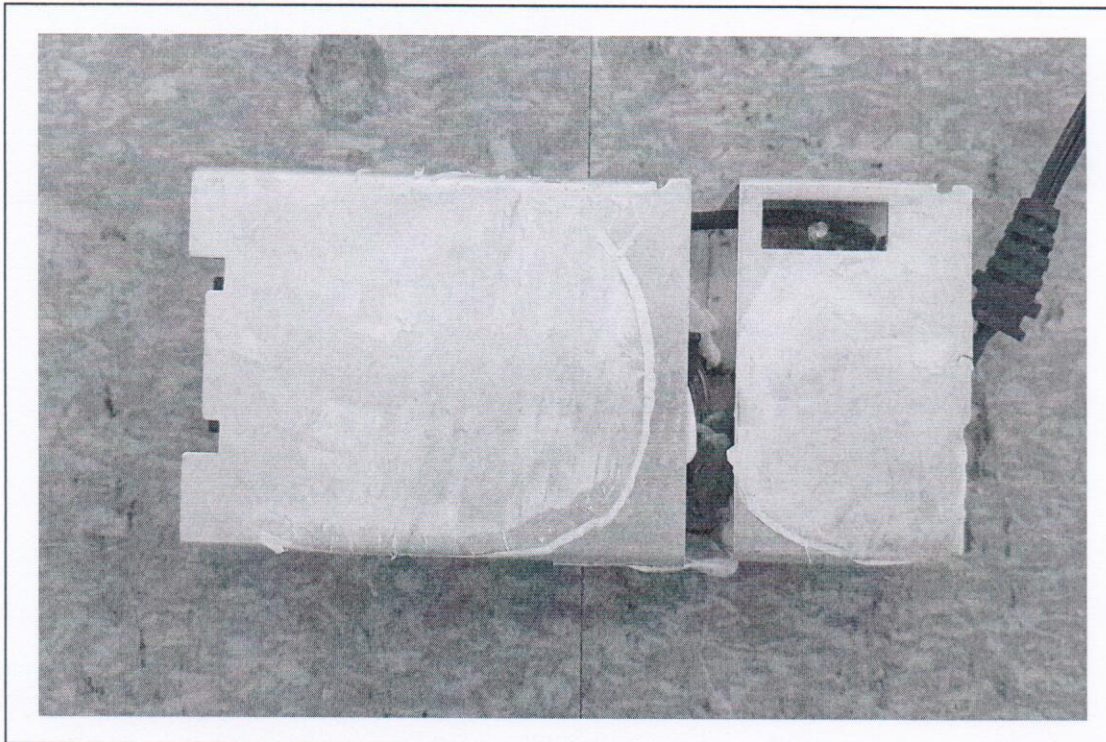
안전인증번호: HU10934-18003A

접수번호: 20171127-0025

No.5 외부사진



No.6 내부사진



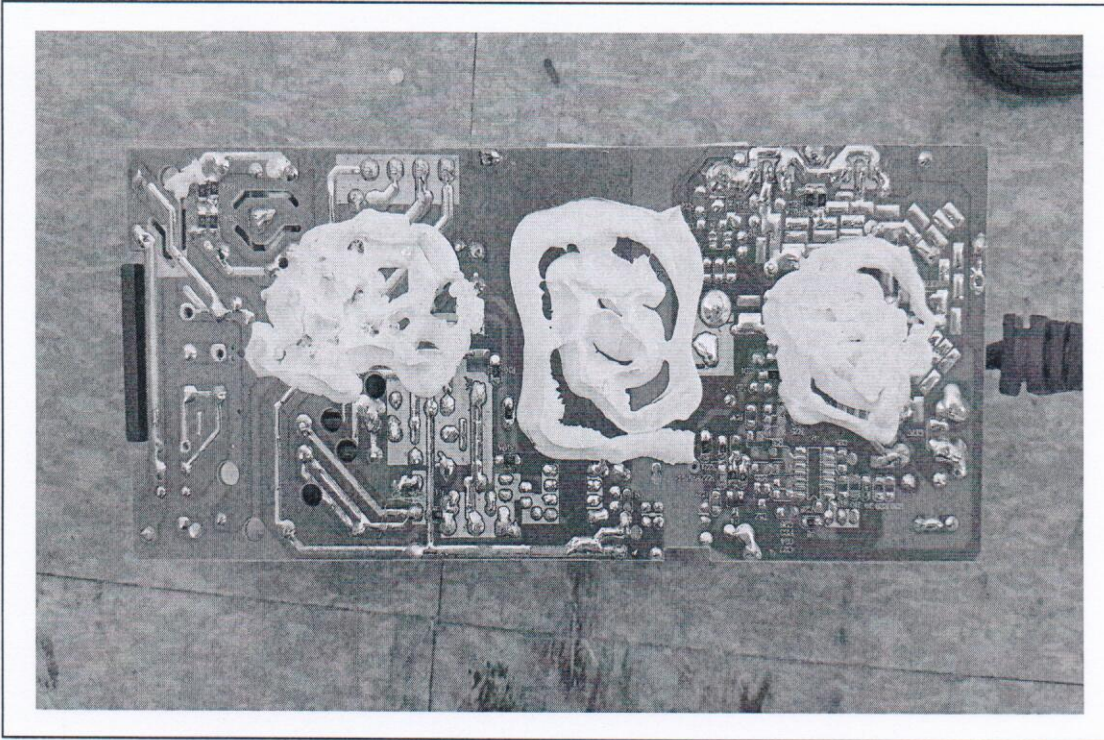


# 기술문서붙임자료

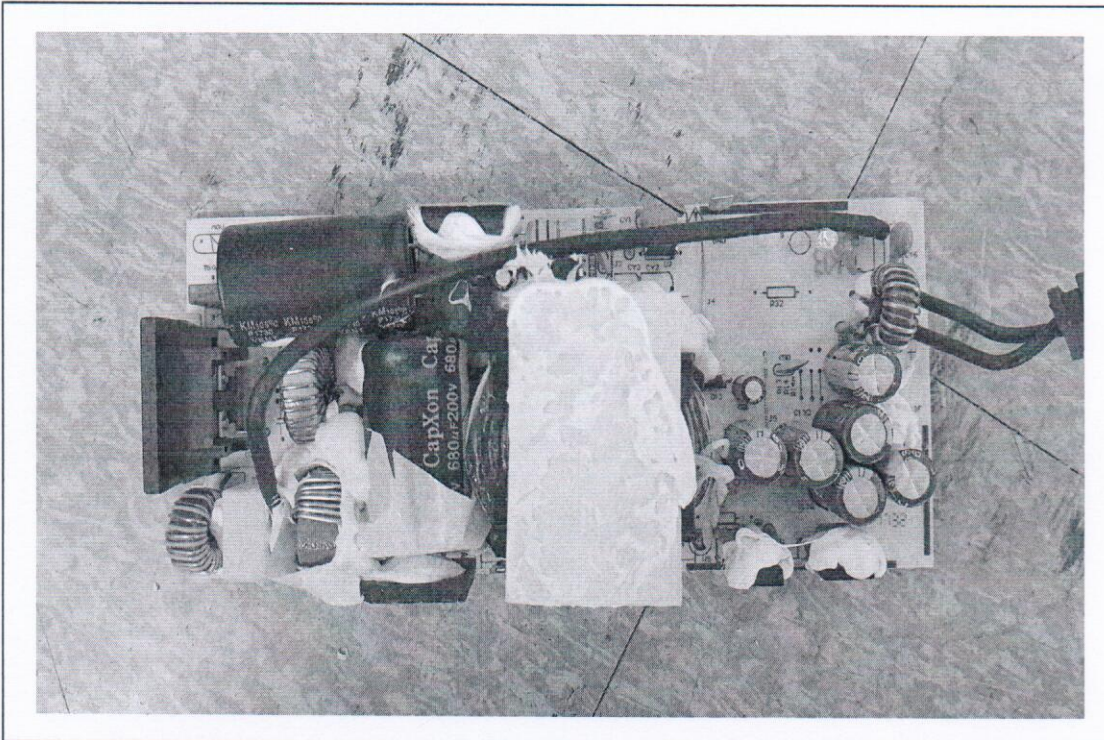
안전인증번호: HU10934-18003A

접수번호: 20171127-0025

No.7 내부사진



No.8 내부사진



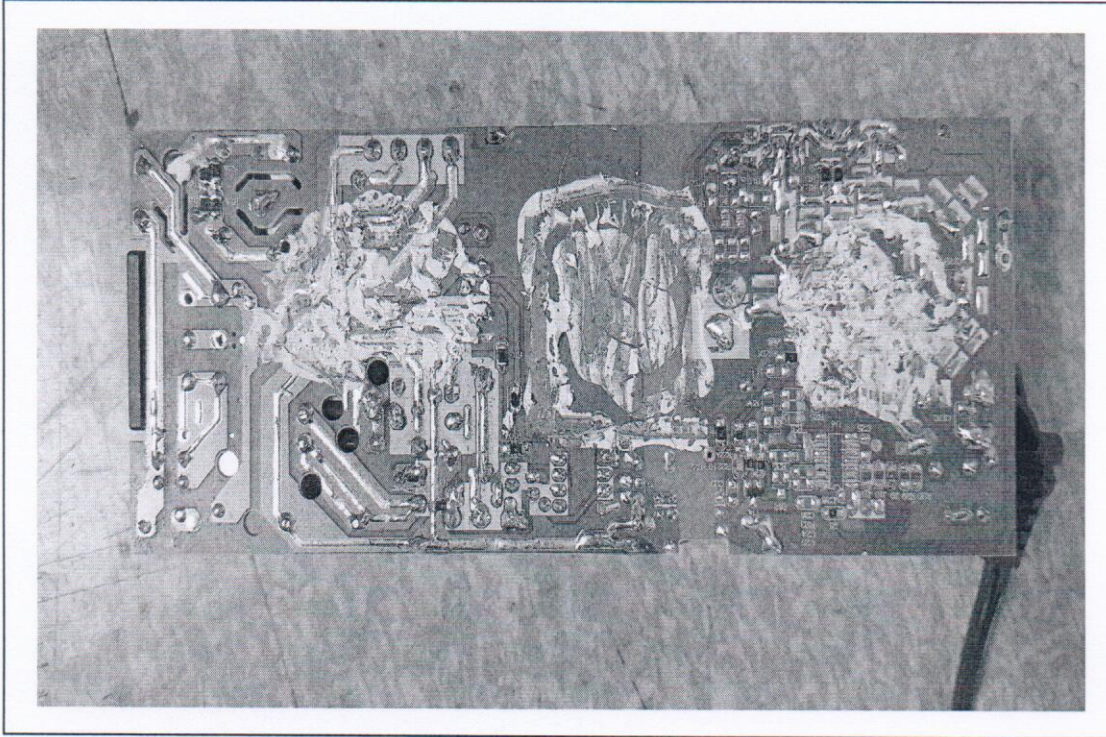


# 기술문서붙임자료

안전인증번호 : HU10934-18003A

접수번호 : 20171127-0025

No.9 내부사진





# 안전인증서 Safety Certificate

안전인증번호: HU10934-18002A  
(Certificate No.)

제조업자/수입업자명: Xinsu Global Electronic Co., Limited  
(Manufacturer/importer)

주소: 3rd Floor No.1 Building A, Shenhuae Bao'An Industrial Park,  
Xixiang Western Development Zone, Bao'an District, Shenzhen City,  
GuangDong, China 518128

제품명: 직류전원장치  
(Product)

기본모델명: XSG2947000  
(Basic Model)

파생모델명 (Series Model):

- |             |             |
|-------------|-------------|
| XSG18010000 | XSG1808500  |
| XSG1809000  | XSG18310000 |
| XSG1838500  | XSG1839000  |
| XSG1839500  | XSG19010000 |
| XSG1908000  | 이면기재        |

정격/안전기준상의 모델구분: 100-240 V~, 50/60 Hz, 3.0 A (O/P : 29.4 Vdc, 7 A)  
(Rating)

시험기준: K 60950-1(2011-12)  
(Standard)

본 인증서는 제조국명: 중국  
 제조업자명: Xinsu Global Electronic Co., Limited  
 제조공장의 주소: 3rd Floor No.1 Building A, Shenhuae Bao'An Industrial Park,  
 Xixiang Western Development Zone, Bao'an District, Shenzhen  
 City, GuangDong, China 518128  
 의 제품에만 해당함

「전기용품 및 생활용품 안전관리법 시행규칙」 제9조제2항·제4항 또는 제10조제2항에 따라 안전인증서를 발급합니다.  
We issue this Safety Certificate for the above appliances in accordance with the Article 9(2), 9(4) or 10(2) of the Enforcement Rule of the Electrical Appliances and Consumer Products Safety Control Act.

2018 년 01 월 10 일  
(Year) (Month) (Day)



## 한국기계전기전자시험연구원 Korea Testing Certification



※ 이 인증서는 「전기용품 및 생활용품 안전관리법」에 따른 제품의 안전성 확인에 한정된 것이며, 그 밖의 다른 법률이 적용되는 제품의 경우에는 해당 법률에 따라 추가로 인증·허가 등을 받아야 합니다.

첨부서류	1. 전기용품의 안전관리부품 및 재질목록 (List of Critical Components) 2. 기본모델·파생모델의 내용 (Descriptions of the basic and series model) 3. 안전인증의 변경 현황 (Revisions Status)
------	--



XSG1909000  
XSG1958000  
XSG1959000  
XSG2007500  
XSG2009000  
XSG2107500  
XSG2108500  
XSG2257000  
XSG2258500  
XSG2406500  
XSG2407500  
XSG2408330  
XSG2525500  
XSG2527000  
XSG2806000  
XSG2925000  
XSG2926500  
XSG2945000  
XSG2946000  
XSG3005000  
XSG3006000  
XSG3205000

XSG1957700  
XSG1958500  
XSG1959500  
XSG2008000  
XSG2009500  
XSG2108000  
XSG2109000  
XSG2258000  
XSG2406250  
XSG2407000  
XSG2408000  
XSG2408500  
XSG2526000  
XSG2528000  
XSG2807000  
XSG2926000  
XSG2927000  
XSG2945500  
XSG2946500  
XSG3005500  
XSG3006500  
XSG3206000

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(Certificate No)

접수번호: 20171127 - 0026  
(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)	The apparatus designed to be used for converting AC main voltage to DC low voltage.
내부구조 (Internal construction)	The apparatus consists of Switching transformer, rectifying part etc.
외부구조 (External construction)	Providing with plastic enclosure having min. V-1 flammability and appliance inlet.
기타(Others)	Class II

### 1.2 전기용품의 표시: 전기용품 및 생활용품 안전관리법 시행규칙 제19조(안전인증의 표시)에 따라 표시한다.

(Marking of KC Mark: Marking shall comply with the Article 19 of the Enforcement Rule of the Electrical Appliances and Consumer Products Safety Control Act.)

### 1.3 등록모델 (Registered Models)

구분 (Class)	모델명 및 정격 (Model / Rating)		기본모델과의 차이점 (Difference between basic model and series model)
기본모델 (Basic model)	XSG2947000	100-240 V~, 50/60 Hz, 3.0 A (O/P : 29.4 Vdc, 7 A)	
파생모델 (Series model)	XSG1808500		Input Power (208 W) and Output rating (O/P: 18 Vdc, 8.5 A)
	XSG1809000		Input Power (214 W) and Output rating (O/P: 18 Vdc, 9.0 A)
	XSG18010000		Input Power (223 W) and Output rating (O/P: 18 Vdc, 10.0 A)
	XSG1838500		Input Power (209 W) and Output rating (O/P: 18.3 Vdc, 8.5 A)
	XSG1839000		Input Power (213 W) and Output rating (O/P: 18.3 Vdc, 9.0 A)
	XSG1839500		Input Power (224 W) and Output rating (O/P: 18.3 Vdc, 9.5 A)
	XSG18310000		Input Power (228 W) and Output rating (O/P: 18.3 Vdc, 10.0 A)



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XSG1908000	Input Power (204 W) and Output rating (O/P: 19 Vdc, 8.0 A)
XSG1909000	Input Power (218 W) and Output rating (O/P: 19 Vdc, 9.0 A)
XSG19010000	Input Power (228 W) and Output rating (O/P: 19 Vdc, 10.0 A)
XSG1957700	Input Power (204 W) and Output rating (O/P: 19.5 Vdc, 7.7 A)
XSG1958000	Input Power (206 W) and Output rating (O/P: 19.5 Vdc, 8.0 A)
XSG1958500	Input Power (207 W) and Output rating (O/P: 19.5 Vdc, 8.5 A)
XSG1959000	Input Power (211 W) and Output rating (O/P: 19.5 Vdc, 9.0 A)
XSG1959500	Input Power (218 W) and Output rating (O/P: 19.5 Vdc, 9.5 A)
XSG2007500	Input Power (203 W) and Output rating (O/P: 20 Vdc, 7.5 A)
XSG2008000	Input Power (207 W) and Output rating (O/P: 20 Vdc, 8.0 A)
XSG2009000	Input Power (209 W) and Output rating (O/P: 20 Vdc, 9.0 A)
XSG2009500	Input Power (218 W) and Output rating (O/P: 20 Vdc, 9.5 A)
XSG2107500	Input Power (205 W) and Output rating (O/P: 21 Vdc, 7.5 A)
XSG2108000	Input Power (209 W) and Output rating (O/P: 21 Vdc, 8.0 A)
XSG2108500	Input Power (211 W) and Output rating (O/P: 21 Vdc, 8.5 A)
XSG2109000	Input Power (227 W) and Output rating (O/P: 21 Vdc, 9.0 A)
XSG2257000	Input Power (208 W) and Output rating (O/P: 22.5 Vdc, 7.0 A)
XSG2258000	Input Power (214 W) and Output rating (O/P: 22.5 Vdc, 8.0 A)
XSG2258500	Input Power (220 W) and Output rating (O/P: 22.5 Vdc, 8.5 A)
XSG2406250	Input Power (204 W) and Output rating (O/P: 24 Vdc, 6.25 A)
XSG2406500	Input Power (206 W) and Output rating (O/P: 24 Vdc, 6.5 A)





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(Receipt No)

XSG2407000	Input Power (208 W) and Output rating (O/P: 24 Vdc, 7.0 A)
XSG2407500	Input Power (219 W) and Output rating (O/P: 24 Vdc, 7.5 A)
XSG2408000	Input Power (231 W) and Output rating (O/P: 24 Vdc, 8.0 A)
XSG2408330	Input Power (238 W) and Output rating (O/P: 24 Vdc, 8.33 A)
XSG2408500	Input Power (243 W) and Output rating (O/P: 24 Vdc, 8.5 A)
XSG2525500	Input Power (201 W) and Output rating (O/P: 25.2 Vdc, 5.5 A)
XSG2526000	Input Power (209 W) and Output rating (O/P: 25.2 Vdc, 6.0 A)
XSG2527000	Input Power (214 W) and Output rating (O/P: 25.2 Vdc, 7.0 A)
XSG2528000	Input Power (243 W) and Output rating (O/P: 25.2 Vdc, 8.0 A)
XSG2806000	Input Power (219 W) and Output rating (O/P: 28 Vdc, 6.0 A)
XSG2807000	Input Power (235 W) and Output rating (O/P: 28 Vdc, 7.0 A)
XSG2925000	Input Power (203 W) and Output rating (O/P: 29.2 Vdc, 5.0 A)
XSG2926000	Input Power (219 W) and Output rating (O/P: 29.2 Vdc, 6.0 A)
XSG2926500	Input Power (221 W) and Output rating (O/P: 29.2 Vdc, 6.5 A)
XSG2927000	Input Power (243 W) and Output rating (O/P: 29.2 Vdc, 7.0 A)
XSG2945000	Input Power (204 W) and Output rating (O/P: 29.4 Vdc, 5.0 A)
XSG2945500	Input Power (209 W) and Output rating (O/P: 29.4 Vdc, 5.5 A)
XSG2946000	Input Power (211 W) and Output rating (O/P: 29.4 Vdc, 6.0 A)
XSG2946500	Input Power (215 W) and Output rating (O/P: 29.4 Vdc, 6.5 A)
XSG3005000	Input Power (205 W) and Output rating (O/P: 30 Vdc, 5.0 A)
XSG3005500	Input Power (213 W) and Output rating (O/P: 30 Vdc, 5.5 A)





기술문서  
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안전인증번호: HU10934 -18002A  
(Certificate No)

접수번호: 20171127 - 0026  
(Receipt No)

XSG3006000	Input Power (228 W) and Output rating (O/P: 30 Vdc, 6.0 A)
XSG3006500	Input Power (230 W) and Output rating (O/P: 30 Vdc, 6.5 A)
XSG3205000	Input Power (213 W) and Output rating (O/P: 32 Vdc, 5.0 A)
XSG3206000	Input Power (231 W) and Output rating (O/P: 32 Vdc, 6.0 A)



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(Certificate No)

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

부품명(회로기호) Components(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 (Technical Data)	인증규격 (Certification)
Enclosure	SABIC INNOVATIVE PLASTICS US L L C	940 (f1)	PC, V-0, 120 ℃, Min. thickness 1.5 mm	UL
Enclosure (alt)	TEIJIN LIMITED RESIN AND PLASTIC	LN-1250G(#)(*)	PC, V-0, 115 ℃, Min. thickness 1.5 mm	UL
Enclosure (alt)	SABIC INNOVATIVE PLASTICS B V	LTA6020 (f1)	PPHOX/PS, V-0, 125 ℃, Min. thickness 1.5 mm	UL
Enclosure (alt)	Trinseo (Hong Kong) LTD	EMERGE PC 8600(a)	PC, V-0, 125 ℃, Min. thickness 1.5 mm	UL
AC Inlet	Zhejiang LECI Electronics Co., Ltd	DB-8	250 VAC, 2.5 A, 70 ℃, C8 type	IEC
AC Inlet (alt)	Dongguan HUACONN Electronics Co., Ltd	HC-88-xx- Series	250 VAC, 2.5 A, 70 ℃, C8 type	IEC
AC Inlet (alt)	Zhe Jiang Bei Er Jia Electronic Co., Ltd.	ST-A03-005	250 VAC, 2.5 A, 70 ℃, C8 type	IEC
PCB	SHENZHEN CHENGYONGX IN PRECISION CIRCUIT CO LTD	CYX-D	V-0, 130 ℃	UL
PCB (alt)	SHENZHEN PINGTAI CIRCUIT BOARD CO LTD	PT-D	V-0, 130 ℃	UL
PCB (alt)	SHANDONG JINBAO ELECTRONICS CO LTD	ZD-9F, ZD- 95(G)F	V-0, 130 ℃	UL
PCB (alt)	Interchangeable	Interchangeable	V-0 or better, minimum 130 ℃	UL
Fuse (F1)	Shenzhen Lanson Electronics Co. Ltd.	SMT	T5 AL, 250 VAC	IEC



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부품명(회로기호) Components(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 (Technical Data)	인증규격 (Certification)
X-capacitor (CX1) (alt)	Dongguan City Jurcc Electronics Co Ltd	MPX	Max. 0.68 uF, Min. 275 VAC, X2	IEC
Bleed resistor (R1, R1A, R2, R2A)	Interchangeable	Interchangeable	1.0 Mohm, Min. 1/4 W for each	-
Current sensor resistor (R5)	Interchangeable	Interchangeable	0.1 ohm, Min. 2 W	-
Y-capacitor (CY1)	Hsuan Tai Electronics Co Ltd	CY	Max. 2200 pF, Min. 250 VAC, Y1	IEC
Y-capacitor (CY1) (alt)	Shaanxi Huaxing Electronic Development Co. Ltd.	CT7Y1	Max. 2200 pF, Min. 250 VAC, Y1	IEC
Y-capacitor (CY1) (alt)	Dongguan City Dafu Electronics Co. Ltd.	CT7 Y1 Series	Max. 2200 pF, Min. 250 VAC, Y1	IEC
Y-capacitor (CY1) (alt)	Xiangtai Electronics (Shenzhen) Co., Ltd.	YO-series	Max. 2200 pF, Min. 250 VAC, Y1	IEC
Y-capacitor (CY1) (alt)	Shantou High- New Technology Developmnt Zone Songtian Enterprise Co Ltd	CD	Max. 2200 pF, Min. 250 VAC, Y1	IEC
Y-capacitor (CY1) (alt)	JYA-NAY CO., LTD	JN	Max. 2200 pF, Min. 250 VAC, Y1	IEC
Y-capacitor (CY4, CY5)	Hsuan Ta Electronics Co Ltd	CY	Max. 1000 pF, Min. 250 VAC, Y1	IEC
Y-capacitor (CY4, CY5) (alt)	Shaanxi Huaxing Electronic Development Co. Ltd	CT7Y1	Max. 1000 pF, Min. 250 VAC, Y1	IEC
Y-capacitor (CY4, CY5) (alt)	Dongguan City Dafu Electronics Co. Ltd	CT7 Y1 Series	Max. 1000 pF, Min. 250 VAC, Y1	IEC



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부품명(회로기호) Components(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 (Technical Data)	인증규격 (Certification)
Opto-coupler (U2) (alt)	Everlight Electronics Co Ltd	BPC-817 (A; B; C; D; L), BPC-817S, BPC-817M	Dti. $\geq$ 0.5 mm	IEC
Transformer (T1)	Shenzhen Xindahui Electronics Co., Ltd	TR-200-T2 XDH-E50-7575 E50 EE-50	Class B	-
Transformer (T1) (alt)	Hang Sing Industrial Co., Ltd	TR-200-T2 XDH-E50-7575 E50 EE-50	Class B	-
Transformer (T1) (alt)	Shenzhen Neo Technology Co., Ltd	TR-200-T2 XDH-E50-7575 E50 EE-50	Class B	-
Transformer (T1) (alt)	Dongguan City Lineng Electronic Co., Ltd	TR-200-T2 XDH-E50-7575 E50 EE-50	Class B	-
Bobbin (of T1)	CHANG CHUN PLASTICS CO LTD	T200NA	Phenolic, V-0, 150 °C, Min. thickness 0.38 mm	UL
Triple insulated wire (of T1)	Totoku Electric Co. Ltd.	TIW-3	Reinforced insulation, 155 °C	VDE





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

일자(Date)	발급현황(Status of issues)
	변경내용(Modification of Contents)
2018/01/10	기본+파생모델등록(Basic + Series Model)

### 4. 기타(Carefully Informed Note)

- 1) 안전관리부품 및 재질목록에 기재된 사항은 안전에 직접적인 영향을 주는 부분이므로 내용을 변경 또는 복수등재를 원하는 경우 안전인증변경신청 또는 안전확인변경신고를 하여야 합니다. 안전인증변경신청 또는 안전확인변경신고를 하지 않고 임의로 변경하는 경우에는 전기용품 및 생활용품 안전관리법에 따라 행정조치 될 수 있습니다.

The certificate holder should apply for a revision of the certificate if the registered critical components are to be changed, modified or alternated. Should the contents of Certificate be altered without the application for the modification, the administrative measures can occur according to the Electrical Appliances and Consumer Products Safety Control Act.

- 2) 정기검사(시료채취포함)를 거부, 방해 또는 기피하는 경우에는 전기용품 및 생활용품 안전관리법 제11조에 따라 안전인증이 취소될 수 있습니다.

If 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 according to the Article 11 of the Electrical Appliances and Consumer Products Safety Control Act.

- 3) 공장주소(전화번호포함), 대표자, 상호 및 부품변경, 신고인정보 등 안전인증 또는 안전확인신고의 내용이 변경되었을 때, 안전인증변경신청 또는 안전확인변경신고를 하지 않을 경우에는 전기용품 및 생활용품 안전관리법에 따라 행정조치 될 수 있습니다.

Should a factory address, president name, manufacturer name and critical component be altered without the application for the modification, the administrative measures can occur according to the Electrical Appliances and Customer Products Safety Control Act.

- 4) 조건부 인증사항 (Conditional certification items):



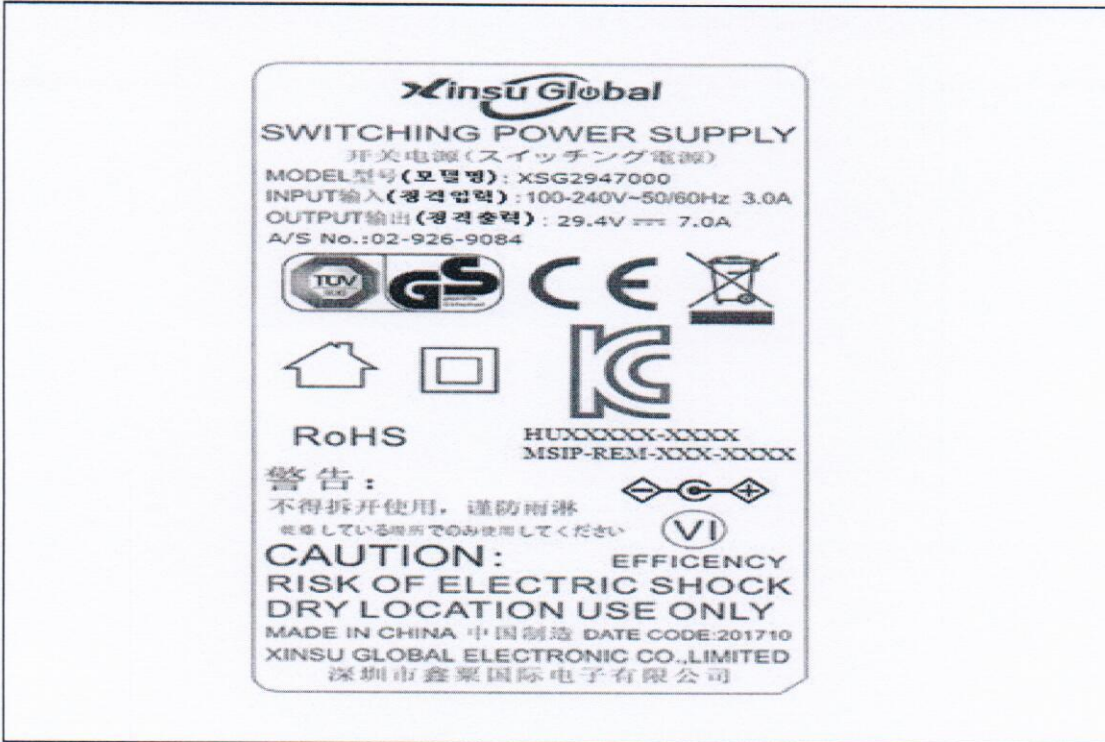


# 기술문서붙임자료

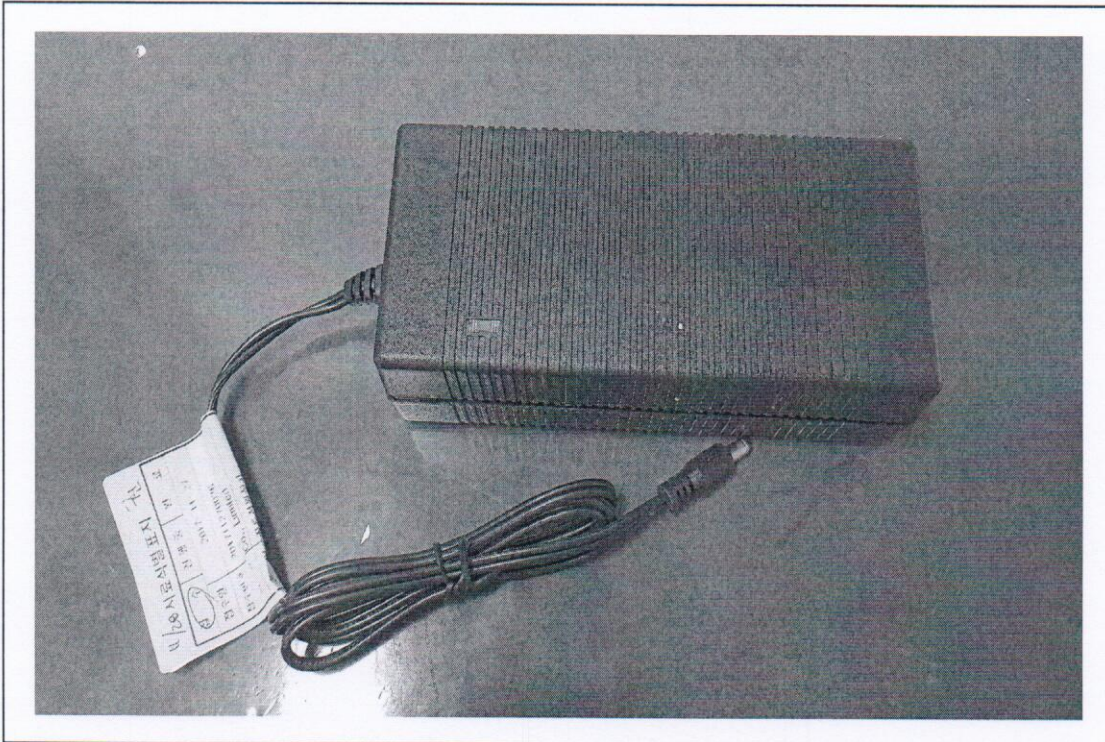
안전인증번호: HU10934-18002A

접수번호: 20171127-0026

No.1 표시사항



No.2 외부사진





# 기술문서붙임자료

안전인증번호 : HU10934-18002A

접수번호 : 20171127-0026

No.3 외부사진



No.4 외부사진





# 기술문서붙임자료

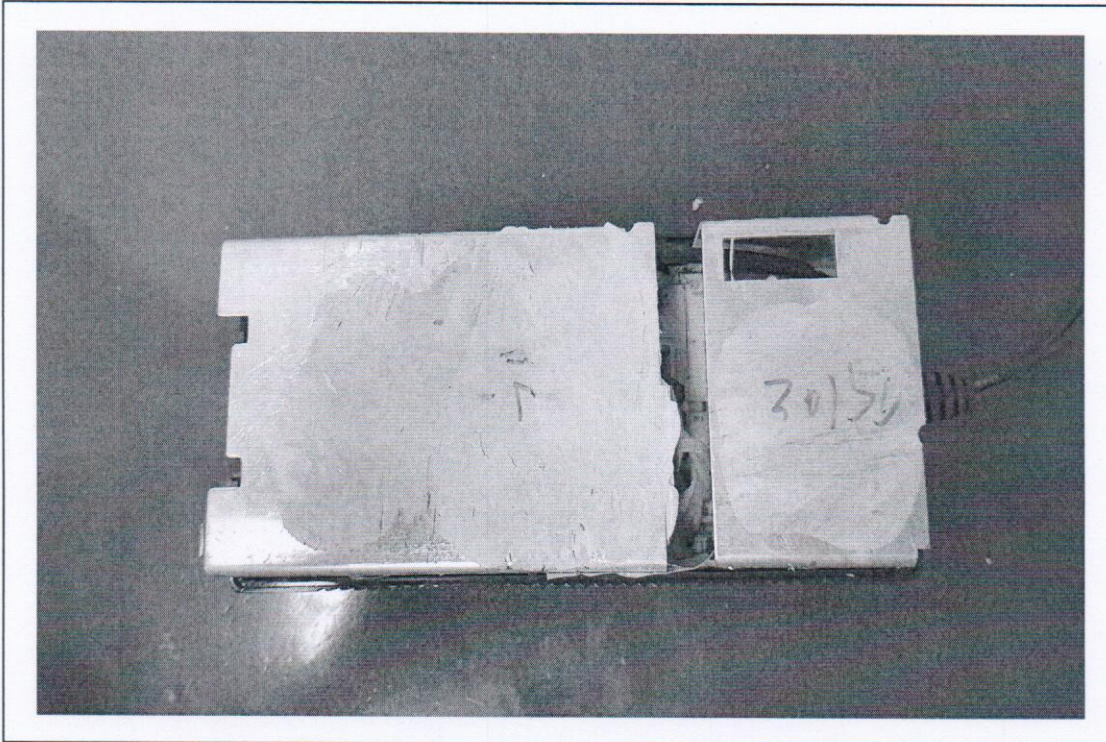
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접수번호 : 20171127-0026

No.5 외부사진



No.6 내부사진



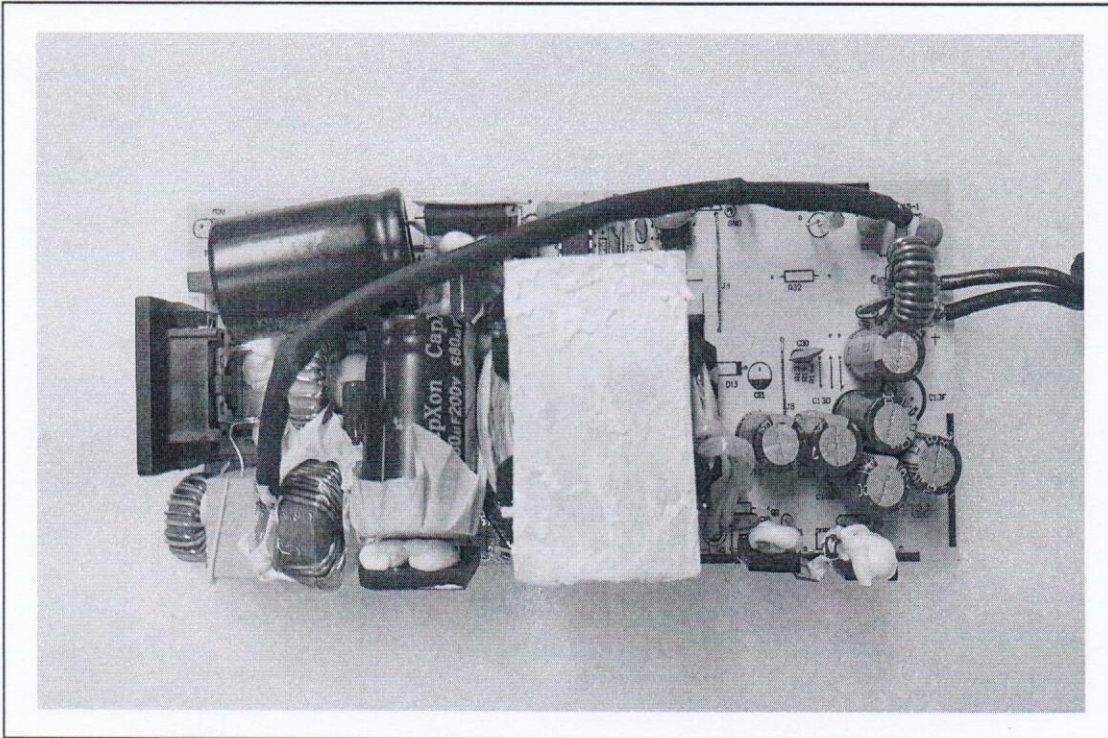


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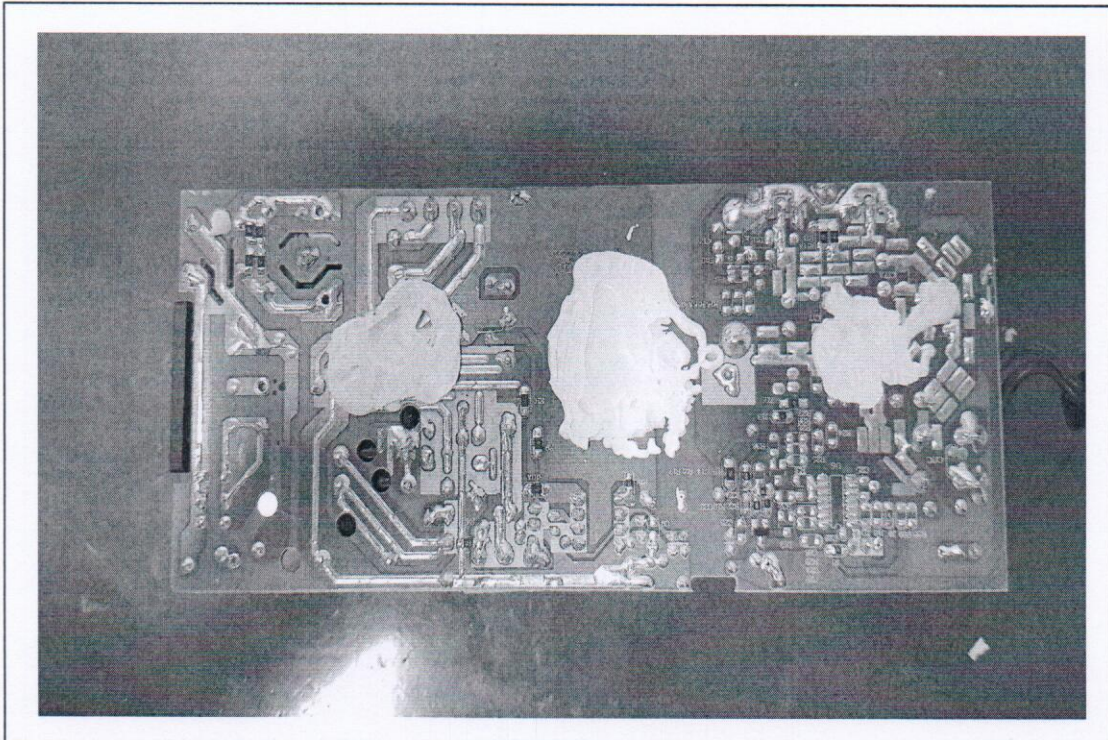
안전인증번호: HU10934-18002A

접수번호: 20171127-0026

No.7 내부사진



No.8 내부사진





# 기술문서붙임자료

안전인증번호 : HU10934-18002A

접수번호 : 20171127-0026

No.9 내부사진

