# 通 <br> Safety Certificate 

안전인증번호：HU10934－18002A
（Certificate No．）
제조업자／수입업자명：Xinsu Global Electronic Co．，Limited
（Manufacturer／importer）
주 소：3rd Floor No． 1 Building A，Shenhuaye Bao＇An Industrial Park，
（Address）
제 품 명：
（Product）
기본모델명：XSG2947000
（Basic Model）
파생모델명（Series Model）：

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

정격／안전기준상의 모델구분： $100-240 \mathrm{~V} \sim, 50 / 60 \mathrm{~Hz}, 3.0 \mathrm{~A}(\mathrm{O} / \mathrm{P}: 29.4 \mathrm{Vdc}, 7 \mathrm{~A})$ （Rating）
시 험 기 준：K 60950－1（2011－12）
（Standard）

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보ᄂ 이ᄂ즈ᄋ서느ᄂ 제 조 구ᄀ 며ᄋ: 주ᄋ구ᄀ
    제조어ᄇ자며ᄋ: Xinsu Global Electronic Co., Limited
    제조고ᄋ자ᄋ의 주소: 3rd Floor No.1 Building A, Shenhuaye Bao'An Industrial Park,
        Xixiang Western Development Zone, Bao'an District, Shenzhen
        City, GuangDong, China }51812
        의 제푸ᄆ에마ᄂ 해다ᄋ하ᄆ
```

「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） |

※ 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．


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

# ［ <br> 안 전 인 중 서 <br> Safety Certificate 

안전인증번호：HU10934－18003A
（Certificate No．）
제조업자／수입업자명：Xinsu Global Electronic Co．，Limited
（Manufacturer／importer）
주 소：3rd Floor No． 1 Building A，Shenhuaye Bao＇An Industrial Park，
（Address）
제 품 명：직류전원장치
（Product）
기본모델명：XSG3606000
（Basic Model）
파생모델명（Series Model）：

```
XSG3365000 XSG3365500
XSG3366000
XSG3504500
XSG3505000
XSG3506000
XSG3605000
```

XSG3504500
XSG3505500
XSG3604500
이면기재

정격／안전기준상의 모델구분： $100-240 \mathrm{~V} \sim, 50 / 60 \mathrm{~Hz}, 3.0 \mathrm{~A}(\mathrm{O} / \mathrm{P}: 36 \mathrm{Vdc}, 6 \mathrm{~A})$
（Rating）
시 험 기 준：K 60950－1（2011－12）
（Standard）
본 인증서는 제 조 국 명：중국
제조업자명：Xinsu Global Electronic Co．，Limited
제조공장의 주소：3rd Floor No． 1 Building A，Shenhuaye 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 • 제 4 항 또는 제 10 조제 2 항에 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 |
| ---: | :--- | :--- |
| （Year） | （Month） <br> （Day） |  |

※ 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．

[^0]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

# ［ <br> 안 전 인 중 서 <br> Safety Certificate 

안전인증번호：HU10934－18003A
（Certificate No．）
제조업자／수입업자명：Xinsu Global Electronic Co．，Limited
（Manufacturer／importer）
주 소：3rd Floor No． 1 Building A，Shenhuaye Bao＇An Industrial Park，
（Address）
제 품 명：직류전원장치
（Product）
기본모델명：XSG3606000
（Basic Model）
파생모델명（Series Model）：

```
XSG3365000 XSG3365500
XSG3366000
XSG3504500
XSG3505000
XSG3506000
XSG3605000
```

XSG3504500
XSG3505500
XSG3604500
이면기재

정격／안전기준상의 모델구분： $100-240 \mathrm{~V} \sim, 50 / 60 \mathrm{~Hz}, 3.0 \mathrm{~A}(\mathrm{O} / \mathrm{P}: 36 \mathrm{Vdc}, 6 \mathrm{~A})$
（Rating）
시 험 기 준：K 60950－1（2011－12）
（Standard）
본 인증서는 제 조 국 명：중국
제조업자명：Xinsu Global Electronic Co．，Limited
제조공장의 주소：3rd Floor No． 1 Building A，Shenhuaye 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 • 제 4 항 또는 제 10 조제 2 항에 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 |
| ---: | :--- | :--- |
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※ 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．

[^1]XSG3605500 XSG3785000 XSG3804500 XSG4024000 XSG4025000 XSG4203500 XSG4204500
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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

# 기 술 문 서 <br> Technical Document 

page: 1 / 10
안전인증번호: HU10934-18003A
접수번호: 20171127 - 0025
(Certificate No)
(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) | 내 용 (Description) |
| :---: | :--- |
| 용도 <br> (Normal use) | The apparatus designed to be used for converting AC main voltage to DC low voltage. |
| 내부구존 <br> (Intimal construction) | The apparatus consists of Switching transformer, rectifying part etc. |
| 외부구조 <br> (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 제 19 조(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)

| $\begin{gathered} \text { 구 분 } \\ \text { (Class) } \end{gathered}$ | 모 델 명 및정 격 (Model / Rating) |  | 기본모델과의 차이점 (Difference between basic model and series model) |
| :---: | :---: | :---: | :---: |
| 기본모델 (Basic model) | XSG3606000 | $\begin{aligned} & 100-240 \mathrm{~V}, 50 / 60 \mathrm{~Hz}, 3.0 \\ & \mathrm{~A}(0 / \mathrm{P}: 36 \mathrm{Vdc}, 6 \mathrm{~A}) \end{aligned}$ |  |
| 파생모델 (Series model) | XSG3365000 |  | Input Power (209 W) and Output rating (0/P: 33.6 Vdc, 5 A ) |
|  | XSG3365500 |  | Input Power ( 216 W ) and Output rating ( $0 / \mathrm{P}: 33.6 \mathrm{Vdc}, 5.5 \mathrm{~A}$ ) |
|  | XSG3366000 |  | Input Power (2२9 W) and Output rating (0/P: 33.6 Vdc, 6 A) |
|  | XSG3504500 |  | Input Power (211 W) and Output rating (0/P: $35 \mathrm{Vdc}, 4.5 \mathrm{~A}$ ) |
|  | XSG3505000 |  | Input Power (209 W) and Output rating (0/P: $35 \mathrm{Vdc}, 5.0 \mathrm{~A}$ ) |
|  | XSG3505500 |  | Input Power (219 W) and Output rating ( $0 / \mathrm{P}: 35 \mathrm{Vdc}, 5.5 \mathrm{~A}$ ) |
|  | XSG3506000 |  | Input Power (239 W) and Output rating (0/P: $35 \mathrm{Vdc}, 6.0 \mathrm{~A}$ ) |

안전인증번호: HU10934-18003A
(Certificate No)

| XSG3604500 | Input Power (206 W) and Output rating (0/P: $36 \mathrm{Vdc}, 4.5 \mathrm{~A}$ ) |
| :---: | :---: |
| XSG3605000 | Input Power ( 215 W ) and Output rating (0/P: $36 \mathrm{Vdc}, 5.0 \mathrm{~A}$ ) |
| XSG3605500 | Input Power ( 225 W) and Output rating (0/P: $36 \mathrm{Vdc}, 5.5 \mathrm{~A}$ ) |
| XSG3784500 | Input Power (213 W) and Output rating (0/P: 37.8 Vdc, 4.5 A) |
| XSG3785000 | Input Power ( 215 W ) and Output rating (0/P: 37.8 Vdc, 5.0 A) |
| XSG3804000 | Input Power (209 W) and Output rating (0/P: $38 \mathrm{Vdc}, 4.0 \mathrm{~A}$ ) |
| XSG3804500 | Input Power ( 212 W ) and Output rating (0/P: $38 \mathrm{Vdc}, 4.5 \mathrm{~A}$ ) |
| XSG3805000 | Input Power ( 216 W ) and Output rating (0/P: $38 \mathrm{Vdc}, 5.0 \mathrm{~A}$ ) |
| XSG4024000 | Input Power ( 211 W ) and Output rating (0/P: 40.2 Vdc, 4.0 A) |
| XSG4024500 | Input Power (216 W) and Output rating (0/P: 40.2 Vdc, 4.5 A) |
| XSG4025000 | Input Power (2२8 W) and Output rating (0/P: 40.2 Vdc, 5.0 A) |
| XSG4203000 | Input Power (203 W) and Output rating (0/P: $42 \mathrm{Vdc}, 3.0 \mathrm{~A}$ ) |
| XSG4203500 | Input Power (208 W) and Output rating (0/P: $42 \mathrm{Vdc}, 3.5 \mathrm{~A}$ ) |
| XSG4204000 | Input Power (212 W) and Output rating (0/P: $42 \mathrm{Vdc}, 4.0 \mathrm{~A}$ ) |
| XSG4204500 | Input Power ( 215 W ) and Output rating ( $0 / \mathrm{P}: 42 \mathrm{Vdc}, 4.5 \mathrm{~A}$ ) |
| XSG4205000 | Input Power (239 W) and Output rating ( $0 / \mathrm{P}: 42 \mathrm{Vdc}, 5.0 \mathrm{~A}$ ) |
| XSG4403500 | Input Power (207 W) and Output rating ( $0 / \mathrm{P}: 44 \mathrm{Vdc}, 3.5 \mathrm{~A}$ ) |
| XSG4404000 | Input Power (204 W) and Output rating (0/P: $44 \mathrm{Vdc}, 4.0 \mathrm{~A}$ ) |
| XSG4404500 | Input Power ( 225 W ) and Output rating (0/P: $44 \mathrm{Vdc}, 4.5 \mathrm{~A}$ ) |
| XSG4503500 | Input Power (204 W) and Output rating (0/P: $45 \mathrm{Vdc}, 3.5 \mathrm{~A}$ ) |
| XSG4504000 | Input Power ( 215 W ) and Output rating ( $0 / \mathrm{P}: 45 \mathrm{Vdc}, 4.0 \mathrm{~A}$ ) |

# 기 술 문 서 <br> Technical Document 

page: 3 / 10
안전인증번호: HU10934-18003A
접수번호: 20171127 - 0025
(Receipt No)
(Certificate No)

| XSG4504500 | Input Power ( 230 W ) and Output rating ( $0 / \mathrm{P}: 45 \mathrm{Vdc}, 4.5 \mathrm{~A}$ ) |
| :---: | :---: |
| XSG4623500 | Input Power ( 212 W ) and Output rating ( $0 / \mathrm{P}: 46.2 \mathrm{Vdc}, 3.5 \mathrm{~A}$ ) |
| XSG4624000 | Input Power ( 210 W ) and Output rating (0/P: 46.2 Vdc, 4.0 A) |
| XSG4803500 | Input Power (206 W) and Output rating ( $0 / \mathrm{P}: 48 \mathrm{Vdc}, 3.5 \mathrm{~A}$ ) |
| XSG4804000 | Input Power ( 218 W ) and Output rating (0/P: $48 \mathrm{Vdc}, 4.0 \mathrm{~A}$ ) |
| XSG4804250 | Input Power (232 W) and Output rating ( $0 / \mathrm{P}: 48 \mathrm{Vdc}, 4.25 \mathrm{~A}$ ) |
| XSG5043000 | Input Power (204 W) and Output rating ( $0 / \mathrm{P}: 50.4 \mathrm{Vdc}, 3.0 \mathrm{~A}$ ) |
| XSG5044000 | Input Power ( 238 W ) and Output rating (0/P: 50.4 Vdc, 4.0 A) |
| XSG5113000 | Input Power (203 W) and Output rating (0/P: 51.1 Vdc, 3.0 A) |
| XSG5113500 | Input Power ( 213 W ) and Output rating (0/P: 51.1 Vdc, 3.5 A) |
| XSG5114000 | Input Power (232 W) and Output rating (0/P: 51.1 Vdc, 4.0 A) |
| XSG5463000 | Input Power ( 212 W ) and Output rating (0/P: 54.6 Vdc, 3.0 A) |
| XSG5463500 | Input Power ( 219 W ) and Output rating ( $0 / \mathrm{P}: 54.6 \mathrm{Vdc}, 3.5 \mathrm{~A}$ ) |
| XSG5463700 | Input Power ( 239 W ) and Output rating (0/P: 54.6 Vdc, 3.7 A) |
| XSG5463750 | Input Power ( 241 W ) and Output rating ( $0 / \mathrm{P}: 54.6 \mathrm{Vdc}, 3.75 \mathrm{~A}$ ) |
| XSG5802500 | Input Power ( 208 W ) and Output rating (0/P: $58 \mathrm{Vdc}, 2.5 \mathrm{~A}$ ) |
| XSG5803000 | Input Power ( 203 W ) and Output rating ( $0 / \mathrm{P}$ : $58 \mathrm{Vdc}, 3.0 \mathrm{~A}$ ) |
| XSG5803500 | Input Power ( 231 W ) and Output rating (0/P: $58 \mathrm{Vdc}, 3.5 \mathrm{~A}$ ) |
| XSG5842500 | Input Power (204 W) and Output rating (0/P: $58.4 \mathrm{Vdc}, 2.5 \mathrm{~A}$ ) |
| XSG5843000 | Input Power ( 212 W ) and Output rating (0/P: 58.4 Vdc, 3.0 A ) |
| XSG5843500 | Input Power (239 W) and Output rating (0/P: 58.4 Vdc, 3.5 A ) |

# 기 술 문 서 <br> Technical Document <br> page: 4 / 10 

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

| XSG5882500 | Input Power (204 W) and Output rating (0/P: $58.8 \mathrm{Vdc}, 2.5 \mathrm{~A}$ ) |
| :---: | :---: |
| XSG5883000 | Input Power ( 200 W ) and Output rating (0/P: $58.8 \mathrm{Vdc}, 3.0 \mathrm{~A}$ ) |
| XSG5883500 | Input Power ( 234 W ) and Output rating (0/P: 58.8 Vdc, 3.5 A) |

# 기 술 문 서 <br> Technical Document <br> page: 5 / 10 

안전인증번호: HU10934-18003A
접수번호: 20171127 - 0025
(Certificate No)
(Receipt No)
2. 안전관리 부품 및 재질목록(List of Critical Components)

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

# 기 술 문 서 <br> Technical Document <br> page: 6 / 10 

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

| 부품명(회로기호) Components(Part no.) | 제조자(상표명) <br> Manufacturer (Brand) | 모델명(형식) Model (Type) | 정격 또는 특성 (Technical Data) | 인증규격 <br> (Certification) |
| :---: | :---: | :---: | :---: | :---: |
| Fuse (F1) (alt) | Conquer Electronics Co., Ltd. | MST | T5 AL, 250 VAC | IEC |
| Fuse (F1) (alt) | Ever Island Electric Co., Ltd. <br> and Walter Electric | 2010 | T5 AL, 250 VAC | IEC |
| Inductor (FL1) | SHENZHEN <br> CHENG YEXIN ELECTRONIC TECHNOLOGY CO., LTD | T14×8×7 | $130{ }^{\circ} \mathrm{C}$ | - |
| Inductor (FL2) | SHENZHEN <br> CHENG YEXIN <br> ELECTRONIC <br> TECHNOLOGY <br> CO., LTD | T $20 \times 10 \times 10$ | $130{ }^{\circ} \mathrm{C}$ | - |
| Inductor (L1) | SHENZHEN CHENG YEXIN ELECTRONIC TECHNOLOGY CO., LTD | T68-26A | $130{ }^{\circ} \mathrm{C}$ | - |
| Inductor (L1) (alt) | SHENZHEN <br> CHENG YEXIN ELECTRONIC TECHNOLOGY CO., LTD | T80-26 | $130{ }^{\circ} \mathrm{C}$ | - |
| Triple insulation wire (of FL1) | Ta Ya Electric Wire \& Cable Co Ltd | TILW-E | $130{ }^{\circ} \mathrm{C}$ | VDE |
| Triple insulation wire (of FL1) (alt) | FURUKAWA ELECTRIC CO LTD | TEX-E | $130{ }^{\circ} \mathrm{C}$ | VDE |
| X-capacitor (CX1) | Europtronic (SuZhou) Co. Ltd | MPX, MPX2 | Max. 0.68 uF, Min. 275 VAC, X2 | IEC |
| $\begin{aligned} & \text { X-capacitor (CX1) } \\ & \text { (alt) } \end{aligned}$ | Shantou HighNew <br> Technology <br> Dev. Zone <br> Songtian <br> Enterprise Co., Ltd. | MPX | Max. 0.68 uF, Min. 275 VAC, X2 | IEC |
| $\begin{aligned} & \text { X-capacitor (CX1) } \\ & \text { (alt) } \end{aligned}$ | Xiamen Faratronic Co. Ltd. | MKP62 | Max. 0.68 uF, Min. 275 VAC, X2 | IEC |

# 기 술 문 서 <br> Technical Document 

page: 7 / 10
안전인증번호: HU10934-18003A
접수번호: 20171127 - 0025
(Certificate No)
(Receipt No)

| 부풍명(회로기호) Components(Part no.) | 제조자(상표명) Manufacturer (Brand) | 모델명(형식) Model (Type) | 정격 또는 특성 (Technical Data) | 인증규격 <br> (Certification) |
| :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { X-capacitor (CX1) } \\ & \text { (alt) } \end{aligned}$ | Dongguan City Jurcc <br> 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 |
| $\begin{aligned} & \text { Y-capacitor (CY1) } \\ & \text { (alt) } \end{aligned}$ | Shaanxi <br> Huaxing <br> Electronic Development Co. Ltd. | CT7Y1 | Max. 2200 pF, Min. 250 VAC, Y1 | IEC |
| $\begin{aligned} & \text { Y-capacitor (CY1) } \\ & \text { (alt) } \end{aligned}$ | Dongguan City Dafu <br> Electronics Co. <br> Ltd. | CT7 Y1 Series | $\text { Max. } 2200 \text { pF, Min. } 250$ VAC, Y1 | IEC |
| $\begin{aligned} & \text { Y-capacitor (CY1) } \\ & \text { (alt) } \end{aligned}$ | Xiangtai Electronics (Shenzhen) Co., Ltd. | YO-series | Max. 2200 pF, Min. 250 VAC, Y1 | IEC |
| $\begin{aligned} & \text { Y-capacitor (CY1) } \\ & \text { (alt) } \end{aligned}$ | Shantou HighNew <br> Technology <br> Developmnt <br> Zone Songtian <br> Enterprise Co <br> Ltd | CD | $\begin{aligned} & \text { Max. } 2200 \mathrm{pF} \text {, Min. } 250 \\ & \text { VAC, Y1 } \end{aligned}$ | IEC |
| $\begin{aligned} & \text { Y-capacitor (CY1) } \\ & \text { (alt) } \end{aligned}$ | $\begin{aligned} & \text { JYA-NAY CO., } \\ & \text { LTD } \end{aligned}$ | JN | Max. 2200 pF, Min. 250 VAC, Y1 | IEC |
| $\begin{aligned} & \text { Y-capacitor (CY4, } \\ & \text { CY5) } \end{aligned}$ | Hsuan Tai Electronics Co Ltd | CY | Max. 1000 pF, Min. 250 VAC, Y1 | IEC |
| Y-capacitor (CY4, CY5) (alt) | Shaanxi <br> Huaxing <br> Electronic Development Co. Ltd | CT7Y1 | Max. 1000 pF, Min. 250 VAC, Y1 | IEC |
| Y-capacitor (CY4, CY5) (alt) | Dongguan City Dafu <br> Electronics Co. <br> Ltd | CT7 Y1 Series | $\begin{aligned} & \text { Max. } 1000 \text { pF, Min. } 250 \\ & \text { VAC, Y1 } \end{aligned}$ | IEC |

## 기 술 문 서 <br> Technical Document

page: 8 / 10
안전인증번호: HU10934-18003A
(Certificate No)

접수번호: 20171127 - 0025
(Receipt No)

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

# 기 술 문 서 <br> Technical Document <br> page: 9 / 10 

안전인증번호: HU10934-18003A
(Certificate No)

접수번호: 20171127 - 0025
(Receipt No)

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

# 기 술 문 서 <br> Technical Document 

page: 10 / 10
안전인증번호: HU10934-18003A
접수번호: 20171127 - 0025
(Certificate No)
(Receipt No)
3. 전기용품안전인증의 변경현황(Status of Certificate Revisions)

| 일자(Date) | 발급현황(Status of issues) |
| :---: | :---: |
|  | 긴곤+파생모델등록(Basic + Ser ies 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 생할용품 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
No. 5 외부사진


No. 6 내부사진


## 한국기계전기전자시험연구원 Korea Testing Certification

## 기술문서붙임자료

안전인증번호: HU10934-18003A
접수번호:20171127-0025
No. 7 내부사진


No. 8 내부사진


한국기계전기전자시험연구원

## 기술문서붙임자료

안전인증번호: HU10934-18003A
접수번호:20171127-0025
No. 9 내부사진


한국기계전기전자시험연구원

# 通 <br> Safety Certificate 

안전인증번호：HU10934－18002A
（Certificate No．）
제조업자／수입업자명：Xinsu Global Electronic Co．，Limited
（Manufacturer／importer）
주 소：3rd Floor No． 1 Building A，Shenhuaye Bao＇An Industrial Park，
（Address）
제 품 명：
（Product）
기본모델명：XSG2947000
（Basic Model）
파생모델명（Series Model）：

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

정격／안전기준상의 모델구분： $100-240 \mathrm{~V} \sim, 50 / 60 \mathrm{~Hz}, 3.0 \mathrm{~A}(\mathrm{O} / \mathrm{P}: 29.4 \mathrm{Vdc}, 7 \mathrm{~A})$ （Rating）
시 험 기 준：K 60950－1（2011－12）
（Standard）

```
보ᄂ 이ᄂ즈ᄋ서느ᄂ 제 조 구ᄀ 며ᄋ: 주ᄋ구ᄀ
    제조어ᄇ자며ᄋ: Xinsu Global Electronic Co., Limited
    제조고ᄋ자ᄋ의 주소: 3rd Floor No.1 Building A, Shenhuaye Bao'An Industrial Park,
        Xixiang Western Development Zone, Bao'an District, Shenzhen
        City, GuangDong, China }51812
        의 제푸ᄆ에마ᄂ 해다ᄋ하ᄆ
```

「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） |

※ 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．


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

# 기 술 문 서 <br> Technical Document 

page: 1 / 10
안전인증번호: HU10934-18002A
접수번호: 20171127 - 0026
(Certificate No)
(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) | 내 용 (Description) |
| :---: | :--- |
| 용도 <br> (Normal use) | The apparatus designed to be used for converting AC main voltage to DC low voltage. |
| 내부구조 <br> (Internal construction) | The apparatus consists of Switching transformer, rectifying part etc. |
| 외부구조 <br> (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)

| $\begin{aligned} & \text { 구 분 } \\ & \text { (Class) } \end{aligned}$ | 모 델 명 및 정 격 (Model / Rating) |  | 기본모델과의 차이점 <br> (Difference between basic model and series model) |
| :---: | :---: | :---: | :---: |
| 기본모델 (Basic model) | XSG2947000 | $100-240 \mathrm{~V} \sim, 50 / 60 \mathrm{~Hz}, 3.0$ A (0/P : $29.4 \mathrm{Vdc}, 7 \mathrm{~A}$ ) |  |
| 파생모델 <br> (Series model) | XSG1808500 |  | Input Power (208 W) and Output rating (0/P: $18 \mathrm{Vdc}, 8.5 \mathrm{~A}$ ) |
|  | XSG1809000 |  | Input Power (214 W) and Output rating (0/P: $18 \mathrm{Vdc}, 9.0 \mathrm{~A}$ ) |
|  | XSG18010000 |  | Input Power (२२३ W) and Output rating (0/P: $18 \mathrm{Vdc}, 10.0 \mathrm{~A}$ ) |
|  | XSG1838500 |  | Input Power (209 W) and Output rating (0/P: $18.3 \mathrm{Vdc}, 8.5 \mathrm{~A}$ ) |
|  | XSG1839000 |  | Input Power ( 213 W) and Output rating (0/P: 18.3 Vdc, 9.0 A) |
|  | XSG1839500 |  | Input Power (224 W) and Output rating (0/P: 18.3 Vdc, 9.5 A ) |
|  | XSG18310000 |  | Input Power (228 W) and Output rating ( $0 / \mathrm{P}: 18.3 \mathrm{Vdc}, 10.0 \mathrm{~A}$ ) |

# 기 술 문 서 <br> Technical Document 

page: 2 / 10
안전인증번호: HU10934-18002A
(Certificate No)
XSG1908000
XSG1909000
XSG19010000
XSG1957700

| XSG1957700 |  |
| :---: | :---: |
|  | XSG1958000 |
|  | XSG1058500 |


|  | XSG1958500 |
| :--- | :--- |
|  | XSG1959000 |
|  | XSG1959500 |
|  |  |
|  |  |


|  | XSG2008000 | Input Power (207 W) and Output rating (0/P: $20 \mathrm{Vdc}, 8.0 \mathrm{~A}$ ) |
| :---: | :---: | :---: |
|  | XSG2009000 | Input Power (209 W) and Output rating (0/P: $20 \mathrm{Vdc}, 9.0 \mathrm{~A}$ ) |
|  | XSG2009500 | Input Power ( 218 W ) and Output rating (0/P: $20 \mathrm{Vdc}, 9.5 \mathrm{~A}$ ) |
|  | XSG2107500 | Input Power (205 W) and Output rating (0/P: $21 \mathrm{Vdc}, 7.5 \mathrm{~A}$ ) |
|  | XSG2108000 | Input Power (209 W) and Output rating (0/P: $21 \mathrm{Vdc}, 8.0 \mathrm{~A}$ ) |
|  | XSG2108500 | Input Power (211 W) and Output rating (0/P: $21 \mathrm{Vdc}, 8.5 \mathrm{~A}$ ) |
|  | XSG2109000 | Input Power (227 W) and Output rating (0/P: $21 \mathrm{Vdc}, 9.0 \mathrm{~A}$ ) |
|  | XSG2257000 | Input Power (208 W) and Output rating (0/P: 22.5 Vdc, 7.0 A) |
|  | XSG2258000 | Input Power (214 W) and Output rating (0/P: 22.5 Vdc, 8.0 A) |
|  | XSG2258500 | Input Power (220 W) and Output rating ( $0 / \mathrm{P}: 22.5 \mathrm{Vdc}, 8.5 \mathrm{~A}$ ) |
|  | XSG2406250 | Input Power (204 W) and Output rating (0/P: $24 \mathrm{Vdc}, 6.25 \mathrm{~A}$ ) |
|  | XSG2406500 | Input Power (206 W) and Output rating (0/P: $24 \mathrm{Vdc}, 6.5 \mathrm{~A}$ ) |

# 기 술 문 서 <br> Technical Document 

page: 3 / 10
안전인증번호: HU10934-18002A
접수번호: 20171127 - 0026
(Certificate No)

| XSG2407000 | Input Power (208 W) and Output rating (0/P: $24 \mathrm{Vdc}, 7.0 \mathrm{~A}$ ) |
| :---: | :---: |
| XSG2407500 | Input Power (219 W) and Output rating (0/P: $24 \mathrm{Vdc}, 7.5 \mathrm{~A}$ ) |
| XSG2408000 | Input Power (231 W) and Output rating (0/P: $24 \mathrm{Vdc}, 8.0 \mathrm{~A}$ ) |
| XSG2408330 | Input Power ( 238 W ) and Output rating ( $0 / \mathrm{P}: 24 \mathrm{Vdc}, 8.33 \mathrm{~A}$ ) |
| XSG2408500 | Input Power ( 243 W ) and Output rating (0/P: $24 \mathrm{Vdc}, 8.5 \mathrm{~A}$ ) |
| XSG2525500 | Input Power (201 W) and Output rating (0/P: 25.2 Vdc, 5.5 A ) |
| XSG2526000 | Input Power (209 W) and Output rating (0/P: $25.2 \mathrm{Vdc}, 6.0 \mathrm{~A}$ ) |
| XSG2527000 | Input Power (214 W) and Output rat ing (0/P: $25.2 \mathrm{Vdc}, 7.0 \mathrm{~A}$ ) |
| XSG2528000 | Input Power ( 243 W ) and Output rating (0/P: 25.2 Vdc, 8.0 A) |
| XSG2806000 | Input Power (219 W) and Output rating (0/P: $28 \mathrm{Vdc}, 6.0 \mathrm{~A}$ ) |
| XSG2807000 | Input Power ( 235 W ) and Output rating (0/P: $28 \mathrm{Vdc}, 7.0 \mathrm{~A}$ ) |
| XSG2925000 | Input Power (203 W) and Output rating (0/P: 29.2 Vdc, 5.0 A) |
| XSG2926000 | Input Power (219 W) and Output rat ing (0/P: 29.2 Vdc, 6.0 A) |
| XSG2926500 | Input Power (221 W) and Output rating (0/P: 29.2 Vdc, 6.5 A) |
| XSG2927000 | Input Power ( 243 W ) and Output rat ing (0/P: 29.2 Vdc, 7.0 A) |
| XSG2945000 | Input Power (204 W) and Output rat ing (0/P: 29.4 Vdc, 5.0 A) |
| XSG2945500 | Input Power (209 W) and Output rating (0/P: 29.4 Vdc, 5.5 A) |
| XSG2946000 | Input Power ( 211 W ) and Output rating (0/P: 29.4 Vdc, 6.0 A) |
| XSG2946500 | Input Power (215 W) and Output rating (0/P: 29.4 Vdc, 6.5 A) |
| XSG3005000 | Input Power (205 W) and Output rating ( $0 / \mathrm{P}: 30 \mathrm{Vdc}, 5.0 \mathrm{~A}$ ) |
| XSG3005500 | Input Power ( 213 W ) and Output rating (0/P: $30 \mathrm{Vdc}, 5.5 \mathrm{~A}$ ) |

## 기 술 문 서 <br> Technical Document <br> page: 4 / 10

안전인증번호: HU10934-18002A
(Certificate No)

접수번호: 20171127 - 0026
(Receipt No)

| XSG3006000 | Input Power (2२8 W) and Output rating (0/P: $30 \mathrm{Vdc}, 6.0 \mathrm{~A}$ ) |
| :---: | :---: |
| XSG3006500 | Input Power (230 W) and Output rating (0/P: $30 \mathrm{Vdc}, 6.5 \mathrm{~A}$ ) |
| XSG3205000 | Input Power ( 213 W ) and Output rating (0/P: $32 \mathrm{Vdc}, 5.0 \mathrm{~A}$ ) |
| XSG3206000 | Input Power (231 W) and Output rating (0/P: $32 \mathrm{Vdc}, 6.0 \mathrm{~A}$ ) |

# 기 술 문 서 <br> Technical Document 

page: 5 / 10
안전인증번호: $\quad \mathrm{HU} 10934-18002 \mathrm{~A}$
접수번호: 20171127 - 0026
(Certificate No)
(Receipt No)
2. 안전관리 부품 및 재질목록 (List of Critical Components)

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

# 기 술 문 서 <br> Technical Document <br> page: 7 / 10 

안전인증번호: HU10934-18002A
접수번호: 20171127 -0026
(Certificate No)
(Receipt No)

| 부푼영(회로기호) Components(Part no.) | 제조자(상표영) Manufacturer (Brand) | 모델명(형식) <br> Model (Type) | 정격 또는 득성 (Technical Data) | 인증규격 (Certification) |
| :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { X-capacitor (CX1) } \\ & \text { (alt) } \end{aligned}$ | Dongguan City Jurcc <br> Electronics Co Ltd | MPX | Max. 0.68 uF, Min. 275 VAC, X2 | IEC |
| $\begin{aligned} & \text { Bleed resistor (R1, } \\ & \text { R1A, R2, R2A) } \end{aligned}$ | Interchangeable | Interchangeable | 1.0 Mohm, Min. $1 / 4 \mathrm{~W}$ 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 |
| $\begin{aligned} & \text { Y-capacitor (CY1) } \\ & \text { (alt) } \end{aligned}$ | Shaanxi <br> Huaxing <br> Electronic Development Co. Ltd. | CT7Y1 | Max. 2200 pF, Min. 250 VAC, Y1 | IEC |
| $\begin{aligned} & \text { Y-capacitor (CY1) } \\ & \text { (alt) } \end{aligned}$ | Dongguan City Dafu <br> Electronics Co. <br> Ltd. | CT7 Y1 Series | Max. 2200 pF, Min. 250 VAC, Y1 | IEC |
| $\begin{aligned} & \text { Y-capacitor (CY1) } \\ & \text { (alt) } \end{aligned}$ | Xiangtai Electronics (Shenzhen) Co., Ltd. | YO-series | Max. 2200 pF, Min. 250 VAC, Y1 | IEC |
| $\begin{aligned} & \text { Y-capacitor (CY1) } \\ & \text { (alt) } \end{aligned}$ | Shantou HighNew <br> Technology Developmnt Zone Songtian Enterprise Co Ltud | CD | Max. 2200 pF, Min. 250 VAC, Y1 | IEC |
| $\begin{aligned} & \text { Y-capacitor (CY1) } \\ & \text { (alt) } \end{aligned}$ | $\begin{aligned} & \text { JYA-NAY CO., } \\ & \text { LTD } \end{aligned}$ | JN | Max. 2200 pF, Min. 250 VAC, Y1 | IEC |
| Y-capacitor (CY4, CY5) | Hsuan Ta <br> Electronics Co <br> Ltd | CY | Max. 1000 pF, Min. 250 VAC, Y1 | IEC |
| Y-capacitor (CY4, CY5) (alt) | Shaanxi <br> Huaxing <br> Electronic <br> Development Co. Ltd | CT7Y1 | Max. 1000 pF, Min. 250 VAC, Y1 | IEC |
| $\begin{aligned} & \text { Y-capacitor (CY4, } \\ & \text { CY5) (alt) } \end{aligned}$ | Dongguan City Dafu <br> Electronics Co. <br> Ltd | CT7 Y1 Series | Max. 1000 pF, Min. 250 VAC, Y1 | IEC |

# 기 술 문 서 <br> Technical Document <br> page: 9 / 10 

안전인증번호: HU10934-18002A
접수번호: 20171127 - 0026
(Certificate No)
(Receipt No)

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

# 기 술 문 서 <br> Technical Document 

page: 10 / 10
안전인증번호: HU10934-18002A
접수번호: 20171127 -0026
(Certificate No)
(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 + Ser ies Model) |
|  |  |

## 4.기타(Carefully Informed Note)

1) 안전관리부품 잋 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 잋 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 잋 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 잋 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: HU10934-18002A
접수번호:20171127-0026
No. 1 표시사항


No. 2 외부사진


한국기계전기전자시험연구원
Korea Testing Certification

## 기술문서붙임자료

안전인증번호: HU10934-18002A
접수번호:20171127-0026
No. 3 외부사진


No. 4 외부사진


한국기계전기전자시험연구원
Korea Testing Certification

## 기술문서붙임자료

안전인증번호: HU10934-18002A
No. 5 외부사진


No. 6 내부사진


한국기계전기전자시험연구원
Korea Testing Certification

## 기술문서붙임자료

안전인증번호: HU10934-18002A
접수번호:20171127-0026
No. 7 내부사진


No. 8 내부사진


## 기술문서붙임자료

안전인증번호: HU10934-18002A
접수번호:20171127-0026
No. 9 내부사진


한국기계전기전자시험연구원
Korea Testing Certification


[^0]:    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）
    

[^1]:    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）
    

