



# 안전인증서 Safety Certificate

**안전인증번호:** HU10499-20043A  
(Certificate No.)

**제조업자/수입업자명:** GlobTek (Suzhou) Co., Ltd.  
(Manufacturer/importer)

**주소:** Building 4, #76, Jin Ling East Rd., Suzhou Park, Suzhou, Jiangsu  
(Address) 215021, P.R.China

**제품명:** 직류전원장치  
(Product)

**기본모델명:** GTM96060-0606-1.0  
(Basic Model)

**파생모델명 (Series Model):**

GTM96060-0606

GTM96060-0606-0.05

GTM96060-0606-0.4

GTM96060-0606-0.5

GTM96060-0606-0.8

GTM96060-0612-4.5

GTM96060-0612-5.3

**정격/안전기준상의 모델구분:** 100-240 V~, 50-60 Hz, 0.6 A (O/P: 5 Vdc, 1.2 A)  
(Rating)

**시험기준:** K 60950-1(2011-12)  
(Standard)

본 인증서는 **제조국명:** 중국  
**제조업자명:** GlobTek (Suzhou) Co., Ltd.  
**제조공장의 주소:** Building 4, #76, Jin Ling East Rd., Suzhou Park, Suzhou, Jiangsu  
215021, P.R.China  
의 제품에만 해당함

「전기용품 및 생활용품 안전관리법 시행규칙」 제9조제2항, 제4항, 제10조제2항 또는 제15조제2항에 따라 안전인증서를 발급합니다.  
We issue this Safety Certificate for the above appliances in accordance with the Article 9(2), 9(4), 10(2) or 15(2) of the Enforcement Rule of the Electrical Appliances and Consumer Products Safety Control Act.

2020 년 10 월 14 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)<br>2. 기본모델·파생모델의 내용 (Descriptions of the basic and series model)<br>3. 안전인증의 변경 현황 (Revisions Status) |
|------|--|

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## 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<br>(Normal use)              | The equipment was designed to be used for converting AC main voltage to DC low voltage.                  |
| 내부구조<br>(Internal construction) | Consisting of reinforced insulation or double insulation between the primary circuit and SELV circuit.   |
| 외부구조<br>(External construction) | Detachable direct plug-in equipment and provide plastic enclosure with min. V-1 flammability properties. |
| 기타(Others)                      | Class II.  |

1.2 전기용품의 표시: 전기용품 및 생활용품 안전관리법 시행규칙 제20조(안전인증의 표시)에 따라 표시한다.  
(Marking of KC Mark: Marking shall comply with the Article 20 of the Enforcement Rule of the Electrical Appliances and Consumer Products Safety Control Act.)

### 1.3 등록모델 (Registered Models)

| 구분<br>(Class)          | 모델명 및 정격<br>(Model / Rating)   | 기본모델과의 차이점<br>(Difference between basic model and series model)                                   |
|------------------------|--|---|
| 기본모델<br>(Basic model)  | GTM96060-0606-1.0<br>100-240 V~, 50-60 Hz, 0.6 A (O/P: 5 Vdc, 1.2 A) |   |
| 파생모델<br>(Series model) | GTM96060-0606-0.8  | Identical to the basic model except for the model designation and output rating (5.2 Vdc, 1.15 A) |
|                        | GTM96060-0606-0.5  | Identical to the basic model except for the model designation and output rating (5.5 Vdc, 1.09 A) |
|                        | GTM96060-0606-0.4  | Identical to the basic model except for the model designation and output rating (5.6 Vdc, 1.07 A) |



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|                    |  |
|--------------------|--|
| GTM96060-0606-0.05 | Identical to the basic model except for the model designation and output rating (5.95 Vdc, 1 A)  |
| GTM96060-0606      | Identical to the basic model except for the model designation and output rating (6 Vdc, 1 A)     |
| GTM96060-0612-5.3  | Identical to the basic model except for the model designation and output rating (6.7 Vdc, 0.9 A) |
| GTM96060-0612-4.5  | Identical to the basic model except for the model designation and output rating (7.5 Vdc, 0.8 A) |



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

| 부품명(회로기호)<br>Components(Part no.) | 제조사(상표명)<br>Manufacturer(Brand)      | 모델명(형식)<br>Model(Type) | 정격 또는 특성<br>(Technical Data)                       | 인증규격<br>(Certification) |
|-----------------------------------|--------------------------------------|------------------------|--|-------------------------|
| Enclosure                         | SABIC<br>INNOVATIVE<br>PLASTICS B V  | SE1X, SE1              | PPE+ PS, Min. V-1, Min.<br>thickness: 2.0mm, 105°C | UL                      |
| Enclosure (Alt.)                  | SABIC<br>INNOVATIVE<br>PLASTICS B V  | SE100                  | PPE+ PS, Min. V-1, Min.<br>thickness: 2.0mm, 95°C  | UL                      |
| Enclosure (Alt.)                  | SABIC<br>INNOVATIVE<br>PLASTICS B V  | C2950                  | PC/ABS, Min. V-0, Min.<br>thickness: 2.0mm, 85°C   | UL                      |
| Enclosure (Alt.)                  | SABIC<br>INNOVATIVE<br>PLASTICS B V  | CX7211,<br>EXCY0098    | PC/ABS, Min. V-1, Min.<br>thickness: 2.0mm, 90°C   | UL                      |
| Enclosure (Alt.)                  | SABIC<br>INNOVATIVE<br>PLASTICS B V  | 945                    | PC, Min. V-1, Min.<br>thickness: 2.0mm, 120°C      | UL                      |
| Enclosure (Alt.)                  | SABIC<br>INNOVATIVE<br>PLASTICS B V  | HF500R                 | PC, V-0, Min. thickness:<br>2.0mm, 125°C           | UL                      |
| Enclosure (Alt.)                  | SABIC JAPAN L L<br>C                 | SE1X, SE1              | PPE+ PS, Min. V-1, Min.<br>thickness: 2.0mm, 105°C | UL                      |
| Enclosure (Alt.)                  | SABIC JAPAN L L<br>C                 | SE100                  | PPE+ PS, Min. V-1, Min.<br>thickness: 2.0mm, 95°C  | UL                      |
| Enclosure (Alt.)                  | SABIC JAPAN L L<br>C                 | C2950                  | PC/ABS, Min. V-0, Min.<br>thickness: 2.0mm, 85°C   | UL                      |
| Enclosure (Alt.)                  | SABIC JAPAN L L<br>C                 | CX7211,<br>EXCY0098    | PC/ABS, Min. V-1, Min.<br>thickness: 2.0mm, 90°C   | UL                      |
| Enclosure (Alt.)                  | SABIC JAPAN L L<br>C                 | 945                    | PC, Min. V-1, Min.<br>thickness: 2.0mm, 120°C      | UL                      |
| Enclosure (Alt.)                  | SABIC JAPAN L L<br>C                 | HF500R                 | PC, V-0, Min. thickness:<br>2.0mm, 125°C           | UL                      |
| Enclosure (Alt.)                  | TEIJIN<br>CHEMICALS LTD              | LN-1250P,<br>LN-1250G  | PC, Min. V-0, Min.<br>thickness: 2.0mm, 115°C      | UL                      |
| Enclosure (Alt.)                  | CHI MEI<br>CORPORATION               | PA-765A                | ABS, Min. V-0, Min.<br>thickness: 2.0mm, 80°C      | UL                      |
| Enclosure (Alt.)                  | CHI MEI<br>CORPORATION               | PC-540                 | PC/ABS, Min. V-0, Min.<br>thickness: 2.0mm, 80°C   | UL                      |
| PCB                               | WALEX<br>ELECTRONIC<br>(WUXI) CO LTD | T2, T2A, T2B, T4       | Min. 1,6 mm thickness,<br>min. V-0, 130°C          | UL                      |

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| 부품명(회로기호)<br>Components(Part no.) | 제조사(상표명)<br>Manufacturer (Brand)                     | 모델명(형식)<br>Model (Type) | 정격 또는 특성<br>(Technical Data)              | 인증규격<br>(Certification) |
|-----------------------------------|--|-------------------------|---|-------------------------|
| PCB (Alt.)                        | YUANMAN<br>PRINTED CIRCUIT<br>CO LTD                 | 1V0                     | Min. 1,6 mm thickness,<br>min. V-0, 130°C | UL                      |
| PCB (Alt.)                        | SUZHOU XINKE<br>ELECTRONICS CO<br>LTD                | XK-2,XK1                | Min. 1,6 mm thickness,<br>min. V-0, 130°C | UL                      |
| PCB (Alt.)                        | DONGGUAN HE<br>TONG<br>ELECTRONICS CO<br>LTD         | CEM1, 2V0, FR4          | Min. 1,6 mm thickness,<br>min. V-0, 130°C | UL                      |
| PCB (Alt.)                        | KUNSHAN CITY<br>HUA SHENG<br>CIRCUIT BOARD<br>CO LTD | HS-S                    | Min. 1,6 mm thickness,<br>min. V-0, 130°C | UL                      |
| PCB (Alt.)                        | CHEERFUL<br>ELECTRONIC                               | 2, 3, 03A               | Min. 1,6 mm thickness,<br>min. V-0, 130°C | UL                      |
| PCB (Alt.)                        | JIANGSU DIFEIDA<br>ELECTRONICS CO<br>LTD             | DFD-1                   | Min. 1,6 mm thickness,<br>min. V-0, 130°C | UL                      |
| PCB (Alt.)                        | DONGGUAN<br>DAYSUN<br>ELECTRONIC CO<br>LTD           | DS2                     | Min. 1,6 mm thickness,<br>min. V-0, 130°C | UL                      |
| PCB (Alt.)                        | SUZHOU CITY<br>YILIHUA<br>ELECTRONICS CO<br>LTD      | YLH-1                   | Min. 1,6 mm thickness,<br>min. V-0, 130°C | UL                      |
| PCB (Alt.)                        | DAFENG AREX<br>ELECTRONICS<br>TECHNOLOGY CO<br>LTD   | 02V0, 03V0, 04V0        | Min. 1,6 mm thickness,<br>min. V-0, 130°C | UL                      |
| PCB (Alt.)                        | BRITE PLUS<br>ELECTRONICS<br>(SUZHOU) CO<br>LTD      | DKV0-3A,<br>DGV0-3A     | Min. 1,6 mm thickness,<br>min. V-0, 130°C | UL                      |
| PCB (Alt.)                        | KUOTIANG ENT<br>LTD                                  | C-2 C-2A                | Min. V-0, min 1.6 mm<br>thickness, 130°C  | UL                      |
| PCB (Alt.)                        | PACIFIC WIN<br>INDUSTRIAL LTD                        | PW-02, PW-03            | Min. V-0, min 1.6 mm<br>thickness, 130°C  | UL                      |
| PCB (Alt.)                        | SHENZHEN<br>TONGCHUANGXIN<br>ELECTRONICS CO<br>LTD   | TCX                     | Min. 1,6 mm thickness,<br>min. V-0, 130°C | UL                      |
| Fuse (F1)                         | Conquer<br>Electronics Co.,<br>Ltd.                  | MST series              | T1A, 250V                                 | KC                      |

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| 부품명(회로기호)<br>Components(Part no.) | 제조사(상표명)<br>Manufacturer(Brand)                | 모델명(형식)<br>Model(Type)   | 정격 또는 특성<br>(Technical Data)                      | 인증규격<br>(Certification) |
|-----------------------------------|--|--------------------------|---|-------------------------|
| Fuse (F1) (Alt.)                  | SUZHOU WALTER ELECTRONIC CO LTD                | 2010                     | T1A, 250V   | KC                      |
| Fuse (F1) (Alt.)                  | SUZHOU WALTER ELECTRONIC CO LTD                | ICP                      | T1A, 250V   | KC                      |
| Fuse (F1) (Alt.)                  | Dongguan Cooper Electronics Co. Ltd            | SS-5                     | T1A, 250V   | KC                      |
| Fuse (F1) (Alt.)                  | Conquer Electronics Co., Ltd.                  | MET series               | T1A, 250V   | KC                      |
| Fuse (F1) (Alt.)                  | Shenzhen Lanson Electronics Co. Ltd.           | SMT                      | T1A, 250V   | KC                      |
| Varistor (MOV1) (optional)        | JOYIN CO LTD                                   | 10N471K, 14N471K         | Max continuous voltage: 300VAC, 6kV/3kA, 40/85/56 | VDE, UL                 |
| Varistor (MOV1) (optional) (Alt.) | CENTRA SCIENCE CORP                            | 10D471K, 14D471K         | Max continuous voltage: 300VAC, 6kV/3kA, 40/85/56 | VDE, UL                 |
| Varistor (MOV1) (optional) (Alt.) | THINKING ELECTRONIC INDUSTRIAL CO LTD          | TVR10471K, TVR14471K     | Max continuous voltage: 300VAC, 6kV/3kA, 40/85/56 | VDE, UL                 |
| Varistor (MOV1) (optional) (Alt.) | SUCCESS ELECTRONICS CO LTD                     | SVR10D471K, SVR14D471K   | Max continuous voltage: 300VAC, 6kV/3kA, 40/85/56 | VDE, UL                 |
| Varistor (MOV1) (optional) (Alt.) | CERAMATE TECHNICAL CO LTD                      | GNR10D471K, GND14D471K   | Max continuous voltage: 300VAC, 6kV/3kA, 40/85/56 | VDE, UL                 |
| Varistor (MOV1) (optional) (Alt.) | BRIGHTKING (SHENZHEN) CO LTD                   | 10D471K, 14D471K         | Max continuous voltage: 300VAC, 6kV/3kA, 40/85/56 | VDE, UL                 |
| Varistor (MOV1) (optional) (Alt.) | LIEN SHUN ELECTRONICS CO LTD                   | 10D471K, 14D471K         | Max continuous voltage: 300VAC, 6kV/3kA, 40/85/56 | VDE, UL                 |
| Varistor (MOV1) (optional) (Alt.) | HONGZHI ENTERPRISES LTD                        | HEL-10D471K, HEL-14D471K | Max continuous voltage: 300VAC, 6kV/3kA, 40/85/56 | VDE, UL                 |
| Varistor (MOV1) (optional) (Alt.) | GUANGXI NEW FUTURE INFORMATION INDUSTRY CO LTD | 10D471K, 14D471K         | Max continuous voltage: 300VAC, 6kV/3kA, 40/85/56 | VDE, UL                 |
| Y-capacitor (CY1,CY2) (optional)  | TDK Xiamen Co.,Ltd                             | CD                       | Min.250V, Min.125°C, Max.470pF, Y1                | KC                      |

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| 부품명(회로기호)<br>Components(Part no.)             | 제조사(상표명)<br>Manufacturer (Brand)               | 모델명(형식)<br>Model (Type) | 정격 또는 특성<br>(Technical Data)          | 인증규격<br>(Certification) |
|---|--|-------------------------|---------------------------------------|-------------------------|
| Y-capacitor<br>(CY1,CY2)<br>(optional) (Alt.) | SUCCESS<br>ELECTRONICS(HU)                     | SE                      | Min.250V, Min.125°C,<br>Max.470pF, Y1 | KC                      |
| Y-capacitor<br>(CY1,CY2)<br>(optional) (Alt.) | SUCCESS<br>ELECTRONICS(HU)                     | SB                      | Min.250V, Min.125°C,<br>Max.470pF, Y1 | KC                      |
| Y-capacitor<br>(CY1,CY2)<br>(optional) (Alt.) | Haohua Electronic<br>Co.                       | CT7-Y1                  | Min.250V, Min.125°C,<br>Max.470pF, Y1 | KC                      |
| Y-capacitor<br>(CY1,CY2)<br>(optional) (Alt.) | Xiangtai Electronic<br>(Shenzhen) Co.,<br>Ltd. | YO-series               | Min.250V, Min.125°C,<br>Max.470pF, Y1 | KC                      |
| Y-capacitor<br>(CY1,CY2)<br>(optional) (Alt.) | Murata Electronics<br>(Thailand) Ltd.          | KX                      | Min.250V, Min.125°C,<br>Max.470pF, Y1 | KC                      |
| Y-capacitor<br>(CY1,CY2)<br>(optional) (Alt.) | Dongguan Jya-Nay<br>Electronics Co.,<br>Ltd    | JN                      | Min.250V, Min.125°C,<br>Max.470pF, Y1 | KC                      |
| Y-capacitor<br>(CY1,CY2)<br>(optional) (Alt.) | WELSON<br>INDUSTRIAL CO<br>LTD                 | WD                      | Min.250V, Min.125°C,<br>Max.470pF, Y1 | KC                      |
| Inductor (L1)                                 | SUZHOU LYE<br>ELECTRONICS<br>CO., LTD          | EAL0410ST<br>-331K-NC   | 130°C                                 | -                       |
| Transformer (T1)                              | GlobTek(Suzhou)<br>Co. Ltd.                    | TF032                   | Class B                               | -                       |
| Transformer (T1)<br>(Alt.)                    | WUXI HAOPUWEI<br>ELECTRONICS<br>CO.,LTD.       | TF032                   | Class B                               | -                       |





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

| 일자(Date)   | 발급현황(Status of issues)          |
|------------|---------------------------------|
|            | 변경내용(Modification of Contents)  |
| 2020/10/14 | 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: HU10499-20043A

접수번호: 20200901-0038

## No.1 표시사항

### 전기용품안전관리법에 의한 표시

안전인증번호(安全认证编号): HUXXXXXX-XXXXXX

제품명(产品名称): AC/DC Adaptor

모델명(型号名): GTM96060-0606-1.0

정격: (额定) Input: 100-240V~, 50-60Hz, 0.6A

Output: 5.0V, 1.2A

제조사(工厂名): GlobTek (Suzhou) Co.,Ltd.

제조국(制造国): China

제조년월(制造年月): 2019/12

A/S 연락처(A/S 韩国售后服务联络处): 02-3451-3400



## No.2 외부1

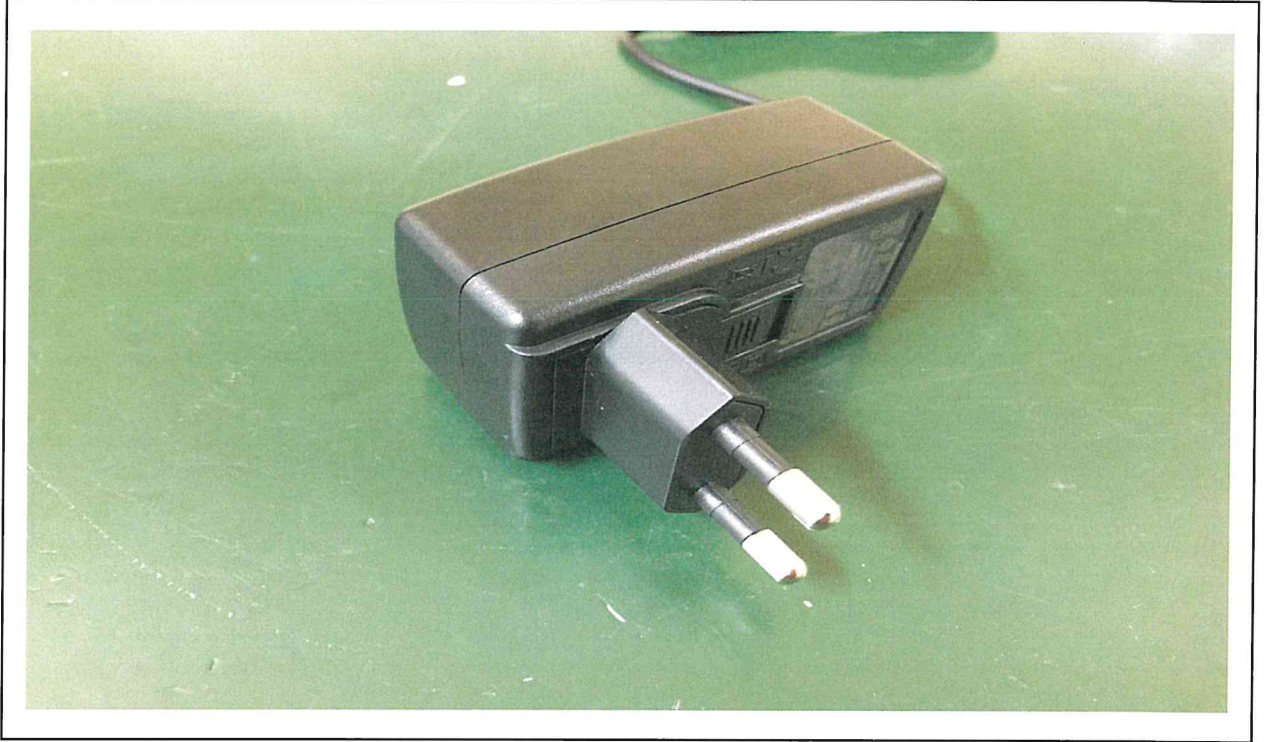


# 기술문서붙임자료

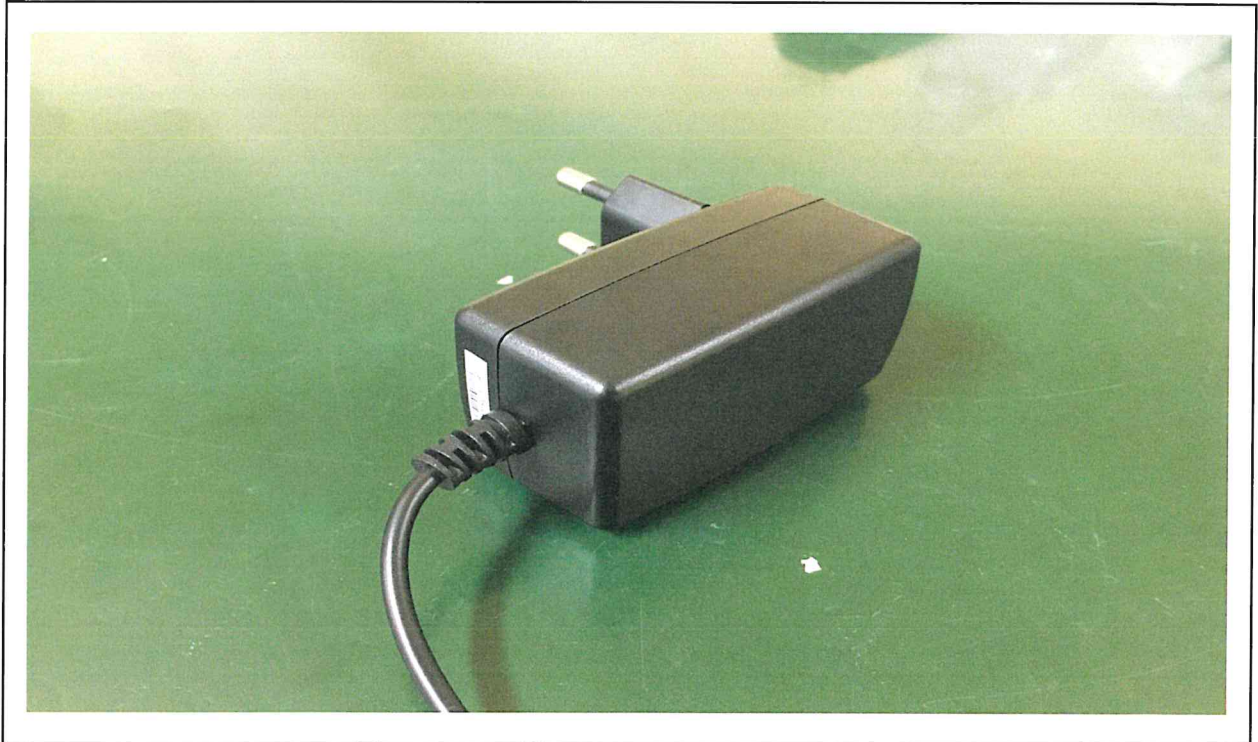
안전인증번호: HU10499-20043A

접수번호: 20200901-0038

No.3 외부2



No.4 외부3





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안전인증번호 : HU10499-20043A

접수번호 : 20200901-0038

No.5 내부1



No.6 내부2

