접수번호 : KCA2024-15789

안 전 인 증 서
Safety Certificate

안전인증번호 : HU10499-24065
(Application No.)

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

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

제 품 명 : 직류전원장치
(Product)

기본모델명 : GTM96600-6520-T3
(Basic Model)

파생모델명 (Series Model) :
GTM96600-6016-T3,GTM96600-6520-T3A,GTM96600-6516-T3A-CF, [이면기재]

정격/안전기준상의 모델구분 : Input: 100-240 V~, 50- 60 Hz, 1.5 A Output: 20 Vdc, 3.25 A
(Rating)

시험기준 : KC 62368-1(2021-08)
(Standard)

본 인증서는

제 조 국 명 : 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 Article 9(2), 9(4), 10(2) or 15(2) of the Enforcement Rule of the Electirical Appliances and Consumer Products Safety Control Act.

2024 년 12 월 18 일
(Year) (Month) (Day)

한국기계전기전자시험연구원장

한국기계전기전자시험연구원
Korea Testing Certification Institute

※ 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(Description of the basic and series model) 3. 안전인증의 변경 현황(Revisions Status)

안전인증을 받은 자의 유의 사항
Notification for Recipients

1. 본 증명서는 기재된 제조공장에서 생산된 제품으로서 적용된 안전기준에 적합한 경우에 한하여 유효합니다.

   (This certificate is valid only when the product meets the safety standards and is produced from the manufacturing factory that states on this certificate.)

2. 안전인증 마크는 본래의 의미와 다르게 사용자가 오해를 일으킬 수 있는 방법으로 광고, 카탈로그 등에 사용하면 인증정지 또는 취소의 사유가 됩니다.

   (Cessation or cancellation of the certification may occur if the actual meaning of the Safety Certification Mark is misled to the public by false advertisement on a catalog of the product.)

3. 다음과 같은 사유가 발생할 경우에는 안전인증기관에 안전인증 변경 신청을 하여 안전인증서를 재교부 받아야 합니다.

   (In case of the following events, the Safety Certificate shall be reapplied and reissued for revision)
   1) 제조자, 대표자, 주소 등 인증서 기재내용의 변경
      (Revisions in contents of the certificate such as manufacturer representative, address and etc.)
   2) 파생모델의 추가, 변경 또는 삭제 (Additions, changes, or removals of series model)
   3) 안전관리 부품의 변경 또는 추가
      (Additions or changes in components which are listed on the certificate)

4. 안전인증을 받은 자는 다음 사항을 이행하여야 합니다.

   (Recipients of the Safety Certificate shall comply with the followings.)
   1) 안전인증 표시 등 인증요건의 유지관리
      (Maintaining and preserving the Mark and other certification requirements)
   ✻ 안전인증을 받기 이전 또는 정지, 취소된 이후 생산된 제품에 안전인증 표시를 하면 법에 의거 처벌을 받게 됩니다.
      (It will be punished by the law if the certification mark is used before the issue (or after suspension or cancellation) of the certification.)

   2) 자체 검사의 실시 및 그 기록관리 (Self-testing and record keeping)

   ✻ 안전인증을 받은 자는 제품검사를 철저히 실시하여 제품의 품질이 안전기준에 미달되지 않도록 유의.
      (Recipients of the Safety Certificate shall conduct products inspection strictly for products to comply with the safety standards)

5. 안전인증을 받을자는 전기용품 및 생활용품 안전관리법 제 7조에 따라 2년에 1회 정기검사를 실시하여야 한다.

   (Recipients of the Safety Certificate shall require to inspect once in two years according to the Article 7 section of the the Electrical Appliances and Consumer Products Safety Control Act.)

6. 인증서(증명서)에는 진위여부 확인을 위해 다음과 같은 사항이 적용되어 있습니다.
   1) 문서관리번호 (문서관리번호 노출시 CS홈페이지를 통해 기술문서 내용이 조회 가능함으로 사본 등 제출시 노출되지 않도록 주의하시기 바랍니다.)
   2) 시점확인필
   3) 2D바코드

안전인증시의 조건: 동 제품의 생산 시 자체검사를 실시하고 안전인증 시 등록된 부품누락 및 임의 변경하지 말 것.
Conditions of Certification : In the production of this product, conduct a self-test and do not miss and change the registered components.

파생모델명

GTM96600-6517-T3A-CF,GTM96600-6518-T3A-CF,GTM96600-6519-T3A-CF,GTM96600-6520-T3A-CF,GTM96600-6016-R3A,GTM96600-6017-R3A,GTM96600-6018-R3A,GTM96600-6019-R3A,GTM96600-6020-R3A,GTM96600-6516-R3A,GTM96600-6517-R3A,GTM96600-6518-R3A,GTM96600-6519-R3A,GTM96600-6520-R3A,GTM96600-6516-R3A-CF,GTM96600-6517-R3A-CF,GTM96600-6518-R3A-CF,GTM96600-6519-R3A-CF,GTM96600-6519-T3A,GTM96600-6518-T3A,GTM96600-6017-T3,GTM96600-6018-T3,GTM96600-6019-T3,GTM96600-6020-T3,GTM96600-6516-T3,GTM96600-6517-T3,GTM96600-6518-T3,GTM96600-6519-T3,GTM96600-6516-T3-CF,GTM96600-6517-T3-CF,GTM96600-6518-T3-CF,GTM96600-6519-T3-CF,GTM96600-6520-T3-CF,GTM96600-6016-T3A,GTM96600-6017-T3A,GTM96600-6018-T3A,GTM96600-6019-T3A,GTM96600-6020-T3A,GTM96600-6516-T3A,GTM96600-6517-T3A,GTM96600-6520-R3A-CF

기 술 문 서
Technical Document

안전인증번호 : HU10499-24065 (Certificate No)

접수번호 : KCA2024-15789 (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)

구 분 (Section)	내 용 (Description)
용도 (Normal use)	The equipment was designed to be used for converting AC main voltage to DC low voltage
내부구조 (Internal construction)	Consisting of reinforced insulation or double insulation between the primary circuit and SELV circuit
외부구조 (External construction)	Provided with an appliance inlet and Plastic enclosure
기타(others)	Class I

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 (Class)	모 델 명 및 정 격 (Model / Rating)		기본모델과의 차이점 (Difference between basic model and series model)
기본모델 (Basic model)	GTM96600-6520-T3	Input: 100-240 V~, 50-60 Hz, 1.5 A Output: 20 Vdc, 3.25 A	
파생모델 (Variant model)	GTM96600-6016-T3		In the same series, the enclosure dimension, schematic principle, and PCB layout are the same. Only change the resistors R7, R8, R29, R30, R16A, R16B value of secondary circuit to assign the output current, model names and also no addition or removal on the parts.(Output: 16 Vdc, 3.75 A with C14 AC inlet)

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	GTM96600-6520-T3A	In the same series, the enclosure dimension, schematic principle, and PCB layout are the same. Only change the resistors R7, R8, R29, R30, R16A, R16B value of secondary circuit to assign the output current, model names and also no addition or removal on the parts.(Output: 20 Vdc, 3.25 A with C6 AC inlet)
	GTM96600-6516-T3A-CF	In the same series, the enclosure dimension, schematic principle, and PCB layout are the same. Only change the resistors R7, R8, R29, R30, R16A, R16B value of secondary circuit to assign the output current, model names and also no addition or removal on the parts.(Output: 16 Vdc, 4.06 A with C6 AC inlet)
	GTM96600-6517-T3A-CF	In the same series, the enclosure dimension, schematic principle, and PCB layout are the same. Only change the resistors R7, R8, R29, R30, R16A, R16B value of secondary circuit to assign the output current, model names and also no addition or removal on the parts.(Output: 17 Vdc, 3.82 A with C6 AC inlet)

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	GTM96600-6518-T3A-CF	In the same series, the enclosure dimension, schematic principle, and PCB layout are the same. Only change the resistors R7, R8, R29, R30, R16A, R16B value of secondary circuit to assign the output current, model names and also no addition or removal on the parts.(Output: 18 Vdc, 3.61 A with C6 AC inlet)
	GTM96600-6519-T3A-CF	In the same series, the enclosure dimension, schematic principle, and PCB layout are the same. Only change the resistors R7, R8, R29, R30, R16A, R16B value of secondary circuit to assign the output current, model names and also no addition or removal on the parts.(Output: 19 Vdc, 3.42 A with C6 AC inlet)
	GTM96600-6520-T3A-CF	In the same series, the enclosure dimension, schematic principle, and PCB layout are the same. Only change the resistors R7, R8, R29, R30, R16A, R16B value of secondary circuit to assign the output current, model names and also no addition or removal on the parts.(Output: 20 Vdc, 3.25 A with C6 AC inlet)

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	GTM96600-6016-R3A	In the same series, the enclosure dimension, schematic principle, and PCB layout are the same. Only change the resistors R7, R8, R29, R30, R16A, R16B value of secondary circuit to assign the output current, model names and also no addition or removal on the parts.(Output: 16 Vdc, 3.75 A with C6 AC inlet)
	GTM96600-6017-R3A	In the same series, the enclosure dimension, schematic principle, and PCB layout are the same. Only change the resistors R7, R8, R29, R30, R16A, R16B value of secondary circuit to assign the output current, model names and also no addition or removal on the parts.(Output: 17 Vdc, 3.52 A with C6 AC inlet)
	GTM96600-6018-R3A	In the same series, the enclosure dimension, schematic principle, and PCB layout are the same. Only change the resistors R7, R8, R29, R30, R16A, R16B value of secondary circuit to assign the output current, model names and also no addition or removal on the parts.(Output: 18 Vdc, 3.33 A with C6 AC inlet)

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접수번호 : KCA2024-15789
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	GTM96600-6019-R3A	In the same series, the enclosure dimension, schematic principle, and PCB layout are the same. Only change the resistors R7, R8, R29, R30, R16A, R16B value of secondary circuit to assign the output current, model names and also no addition or removal on the parts.(Output: 19 Vdc, 3.15 A with C6 AC inlet)
	GTM96600-6020-R3A	In the same series, the enclosure dimension, schematic principle, and PCB layout are the same. Only change the resistors R7, R8, R29, R30, R16A, R16B value of secondary circuit to assign the output current, model names and also no addition or removal on the parts.(Output: 20 Vdc, 3 A with C6 AC inlet)
	GTM96600-6516-R3A	In the same series, the enclosure dimension, schematic principle, and PCB layout are the same. Only change the resistors R7, R8, R29, R30, R16A, R16B value of secondary circuit to assign the output current, model names and also no addition or removal on the parts.(Output: 16 Vdc, 4.06 A with C6 AC inlet)

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	GTM96600-6517-R3A	In the same series, the enclosure dimension, schematic principle, and PCB layout are the same. Only change the resistors R7, R8, R29, R30, R16A, R16B value of secondary circuit to assign the output current, model names and also no addition or removal on the parts.(Output: 17 Vdc, 3.82 A with C6 AC inlet)
	GTM96600-6518-R3A	In the same series, the enclosure dimension, schematic principle, and PCB layout are the same. Only change the resistors R7, R8, R29, R30, R16A, R16B value of secondary circuit to assign the output current, model names and also no addition or removal on the parts.(Output: 18 Vdc, 3.61 A with C6 AC inlet)
	GTM96600-6519-R3A	In the same series, the enclosure dimension, schematic principle, and PCB layout are the same. Only change the resistors R7, R8, R29, R30, R16A, R16B value of secondary circuit to assign the output current, model names and also no addition or removal on the parts.(Output: 19 Vdc, 3.42 A with C6 AC inlet)

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	GTM96600-6520-R3A	In the same series, the enclosure dimension, schematic principle, and PCB layout are the same. Only change the resistors R7, R8, R29, R30, R16A, R16B value of secondary circuit to ass ign the output current, model names and also no addition or removal on the parts.(Output: 20 Vdc, 3.25 A with C6 AC inlet)
	GTM96600-6516-R3A-CF	In the same series, the enclosure dimension, schematic principle, and PCB layout are the same. Only change the resistors R7, R8, R29, R30, R16A, R16B value of secondary circuit to ass ign the output current, model names and also no addition or removal on the parts.(Output: 16 Vdc, 4.06 A with C6 AC inlet)
	GTM96600-6517-R3A-CF	In the same series, the enclosure dimension, schematic principle, and PCB layout are the same. Only change the resistors R7, R8, R29, R30, R16A, R16B value of secondary circuit to ass ign the output current, model names and also no addition or removal on the parts.(Output: 17 Vdc, 3.82 A with C6 AC inlet)

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	GTM96600-6519-R3A-CF	In the same series, the enclosure dimension, schematic principle, and PCB layout are the same. Only change the resistors R7, R8, R29, R30, R16A, R16B value of secondary circuit to assign the output current, model names and also no addition or removal on the parts.(Output: 19 Vdc, 3.42 A with C6 AC inlet)
	GTM96600-6519-T3A	In the same series, the enclosure dimension, schematic principle, and PCB layout are the same. Only change the resistors R7, R8, R29, R30, R16A, R16B value of secondary circuit to assign the output current, model names and also no addition or removal on the parts.(Output: 19 Vdc, 3.42 A with C6 AC inlet)

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	GTM96600-6518-T3A	In the same series, the enclosure dimension, schematic principle, and PCB layout are the same. Only change the resistors R7, R8, R29, R30, R16A, R16B value of secondary circuit to ass ign the output current, model names and also no addition or removal on the parts.(Output: 18 Vdc, 3.61 A with C6 AC inlet)
	GTM96600-6017-T3	In the same series, the enclosure dimension, schematic principle, and PCB layout are the same. Only change the resistors R7, R8, R29, R30, R16A, R16B value of secondary circuit to ass ign the output current, model names and also no addition or removal on the parts.(Output: 17 Vdc, 3.52 A with C14 AC inlet)
	GTM96600-6018-T3	In the same series, the enclosure dimension, schematic principle, and PCB layout are the same. Only change the resistors R7, R8, R29, R30, R16A, R16B value of secondary circuit to ass ign the output current, model names and also no addition or removal on the parts.(Output: 18 Vdc, 3.33 A with C14 AC inlet)

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	GTM96600-6019-T3	In the same series, the enclosure dimension, schematic principle, and PCB layout are the same. Only change the resistors R7, R8, R29, R30, R16A, R16B value of secondary circuit to ass ign the output current, model names and also no addition or removal on the parts.(Output: 19 Vdc, 3.15 A with C14 AC inlet)
	GTM96600-6020-T3	In the same series, the enclosure dimension, schematic principle, and PCB layout are the same. Only change the resistors R7, R8, R29, R30, R16A, R16B value of secondary circuit to ass ign the output current, model names and also no addition or removal on the parts.(Output: 20 Vdc, 3 A with C14 AC inlet)
	GTM96600-6516-T3	In the same series, the enclosure dimension, schematic principle, and PCB layout are the same. Only change the resistors R7, R8, R29, R30, R16A, R16B value of secondary circuit to ass ign the output current, model names and also no addition or removal on the parts.(Output: 16 Vdc, 4.06 A with C14 AC inlet)

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	GTM96600-6517-T3	In the same series, the enclosure dimension, schematic principle, and PCB layout are the same. Only change the resistors R7, R8, R29, R30, R16A, R16B value of secondary circuit to assign the output current, model names and also no addition or removal on the parts.(Output: 17 Vdc, 3.82 A with C14 AC inlet)
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	GTM96600-6516-T3-CF	In the same series, the enclosure dimension, schematic principle, and PCB layout are the same. Only change the resistors R7, R8, R29, R30, R16A, R16B value of secondary circuit to assign the output current, model names and also no addition or removal on the parts.(Output: 16 Vdc, 4.06A with C14 AC inlet)
	GTM96600-6517-T3-CF	In the same series, the enclosure dimension, schematic principle, and PCB layout are the same. Only change the resistors R7, R8, R29, R30, R16A, R16B value of secondary circuit to assign the output current, model names and also no addition or removal on the parts.(Output: 17 Vdc, 3.82A with C14 AC inlet)
	GTM96600-6518-T3-CF	In the same series, the enclosure dimension, schematic principle, and PCB layout are the same. Only change the resistors R7, R8, R29, R30, R16A, R16B value of secondary circuit to assign the output current, model names and also no addition or removal on the parts.(Output: 18 Vdc, 3.61A with C14 AC inlet)

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접수번호 : KCA2024-15789 (Receipt No)

	GTM96600-6519-T3-CF	In the same series, the enclosure dimension, schematic principle, and PCB layout are the same. Only change the resistors R7, R8, R29, R30, R16A, R16B value of secondary circuit to assign the output current, model names and also no addition or removal on the parts.(Output: 19 Vdc, 3.42A with C14 AC inlet)
	GTM96600-6520-T3-CF	In the same series, the enclosure dimension, schematic principle, and PCB layout are the same. Only change the resistors R7, R8, R29, R30, R16A, R16B value of secondary circuit to assign the output current, model names and also no addition or removal on the parts.(Output: 20 Vdc, 3.25A with C14 AC inlet)
	GTM96600-6016-T3A	In the same series, the enclosure dimension, schematic principle, and PCB layout are the same. Only change the resistors R7, R8, R29, R30, R16A, R16B value of secondary circuit to assign the output current, model names and also no addition or removal on the parts.(Output: 16 Vdc, 3.75 A with C6 AC inlet)

안전인증번호 : HU10499-24065
(Certificate No)

접수번호 : KCA2024-15789
(Receipt No)

	GTM96600-6017-T3A	In the same series, the enclosure dimension, schematic principle, and PCB layout are the same. Only change the resistors R7, R8, R29, R30, R16A, R16B value of secondary circuit to assign the output current, model names and also no addition or removal on the parts.(Output: 17 Vdc, 3.52 A with C6 AC inlet)
	GTM96600-6018-T3A	In the same series, the enclosure dimension, schematic principle, and PCB layout are the same. Only change the resistors R7, R8, R29, R30, R16A, R16B value of secondary circuit to assign the output current, model names and also no addition or removal on the parts.(Output: 18 Vdc, 3.33 A with C6 AC inlet)
	GTM96600-6019-T3A	In the same series, the enclosure dimension, schematic principle, and PCB layout are the same. Only change the resistors R7, R8, R29, R30, R16A, R16B value of secondary circuit to assign the output current, model names and also no addition or removal on the parts.(Output: 19 Vdc, 3.15 A with C6 AC inlet)

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	GTM96600-6020-T3A	In the same series, the enclosure dimension, schematic principle, and PCB layout are the same. Only change the resistors R7, R8, R29, R30, R16A, R16B value of secondary circuit to assign the output current, model names and also no addition or removal on the parts.(Output: 20 Vdc, 3 A with C6 AC inlet)
	GTM96600-6516-T3A	In the same series, the enclosure dimension, schematic principle, and PCB layout are the same. Only change the resistors R7, R8, R29, R30, R16A, R16B value of secondary circuit to assign the output current, model names and also no addition or removal on the parts.(Output: 16 Vdc, 4.06 A with C6 AC inlet)
	GTM96600-6517-T3A	In the same series, the enclosure dimension, schematic principle, and PCB layout are the same. Only change the resistors R7, R8, R29, R30, R16A, R16B value of secondary circuit to assign the output current, model names and also no addition or removal on the parts.(Output: 17 Vdc, 3.82 A with C6 AC inlet)

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	GTM96600-6520-R3A-CF	In the same series, the enclosure dimension, schematic principle, and PCB layout are the same. Only change the resistors R7, R8, R29, R30, R16A, R16B value of secondary circuit to ass ign the output current, model names and also no addition or removal on the parts.(Output: 20 Vdc, 3.25 A with C6 AC inlet)

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

부품명(회로기호) Components(Part no.)	제조자(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 (Technical Data)	인증규격 (Certification)
PCB	WALEX ELECTRONIC (WUXI) CO LTD	T2, T2A, T2B T4	V-0, 130°C, Min. thickness: 1.6mm	UL
Alt.	DONGGUAN HE TONG ELECTRONICS CO LTD	CEM1, 2V0, FR4	V-0, 130°C, Min. thickness: 1.6mm	UL
Alt.	CHEERFUL ELECTRONIC (HK) LTD	02, 03, 03A	V-0, 130°C, Min. thickness: 1.6mm	UL
Alt.	DONGGUAN DAYSUN ELECTRONIC CO LTD	DS2	V-0, 130°C, Min. thickness: 1.6mm	UL
Alt.	DAFENG AREX ELECTRONICS TECHNOLOGY CO LTD	02V0, 03V0, 04V0	V-0, 130°C, Min. thickness: 1.6mm	UL
Alt.	KUOTIANG ENT LTD	C-2, C-2A	V-0, 130°C, Min. thickness: 1.6mm	UL
Alt.	SHENZHEN TONGCHUANGXIN ELECTRONICS CO LTD	TCX	V-0, 130°C, Min. thickness: 1.6mm	UL
Alt.	PACIFIC WIN INDUSTRIAL LTD	PW-02, PW-03	V-0, 130°C, Min. thickness: 1.6mm	UL

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부품명(회로기호) Components(Part no.)	제조자(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 (Technical Data)	인증규격 (Certification)
Alt.	YUANMAN PRINTED CIRCUIT CO LTD	1V0	V-0, 130°C, Min. thickness: 1.6mm	UL
Alt.	SUZHOU XINKE ELECTRONICS CO LTD	XK-2, XK-3	V-0, 130°C, Min. thickness: 1.6mm	UL
Alt.	KUNSHAN CITY HUA SHENG CIRCUIT BOARD CO LTD	HS-S	V-0, 130°C, Min. thickness: 1.6mm	UL
Alt.	SHANGHAI H-FAST ELECTRONICS CO LTD	411001, 211001	V-0, 130°C, Min. thickness: 1.6mm	UL
Alt.	JIANGXI ZHONG XIN HUA ELECTRONICS INDUSTRY CO LTD	ZXH-2	V-0, 130°C, Min. thickness: 1.6mm	UL
Alt. use	Interchangeable	Interchangeable	V-0, 130°C, Min. thickness: 1.6mm	UL
Fuse (F1, F2) F2 is optional)	Conquer Electronics Co., Ltd.	MST series	T3.15A, 250V	IEC
Alt.	Suzhou Walter Electronic Co. Ltd.	2010	T3.15A, 250V	IEC
Alt.	Suzhou Walter Electronic Co. Ltd.	ICP	T3.15A, 250V	IEC
Alt.	Bel Fuse Ltd.	RST-Serie(s)	T3.15A, 250V	IEC
Alt.	Cooper Bussmann LLC	SS-5	T3.15A, 250V	IEC
Alt.	Shenzhen Lanson Electronics Co. Ltd.	SMT	T3.15A, 250V	IEC
Alt.	Das & Sons International Ltd.	385T series	T3.15A, 250V	IEC
Alt.	Dongguan Better Electronics Technology Co., Ltd.	932	T3.15A, 250V	IEC

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부품명(회로기호) Components(Part no.)	제조자(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 (Technical Data)	인증규격 (Certification)
Alt.	Hollyland Company Limited	5ET	T3.15A, 250V	IEC
Alt.	Conquer Electronics Co., Ltd.	MET series	T3.15A, 250V	IEC
Alt.	Zhongshan Lanbao Electrical Appliances Co., Ltd.	RTI-10 Serie(s)	T3.15A, 250V	IEC
Y capacitor (CY1, CY2) (Optional)	TDK Corporation	CD	Y1, AC250V, max 4700pF, 55/125/21/B	IEC
Alt.	Success Electronics Co., Ltd.	SE	Y1, AC250V, or AC500V, max 4700pF, 40/125/56/C	IEC
Alt.	Success Electronics Co., Ltd.	SB	Y1, AC250V, max 4700pF, 40/125/56/C	IEC
Alt.	Murata Mfg. Co., Ltd.	KX	Y1, AC250V, max 4700pF, 25/125/21/B	IEC
Alt.	Walsin Technology Corp.	AH	Y1, AC250V, max 4700pF, 25/125/21/C	IEC
Alt.	JYA-NAY Co., Ltd.	JN	Y1, AC250V, max 4700pF, 25/125/21/C	IEC
Alt.	Haohua Electronic Co.	CT 7	Y1, AC250V, max 4700pF, 30/125/56/C	IEC
Alt.	Jyh Chung Electronic Co., Ltd.	JD	Y1, AC250V, max 4700pF, 40/125/21/C	IEC
Alt.	WELSON INDUSTRIAL CO LT D	WD	Y1, AC250V, max 4700pF, 55/125/21/C	IEC
X capacitor (CX1) (Optional)	Ultra Tech Xiphi Enterprise Co. Ltd.	HQX	Min. 250VAC, Max. 0.47μF, 40/100/21/C, X1 or X2	IEC

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부품명(회로기호) Components(Part no.)	제조자(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 (Technical Data)	인증규격 (Certification)
Alt.	Tenta Electric Industrial Co. Ltd.	MEX	Min. 250VAC, Max. 0.47μF, 40/100/21/B, X1 or X2	IEC
Alt.	Joey Electronics (Dong Guan) Co., Ltd.	MPX	Min. 250VAC, Max. 0.47μF, 40/105/21/B, X1 or X2	IEC
Alt.	Cheng Tung Industrial Co., Ltd.	CTX	Min. 250VAC, Max. 0.47μF, 40/105/21/B, X1 or X2	IEC
Alt.	Yuon Yu Electronics Co. Ltd.	MPX	Min. 250VAC, Max. 0.47μF, 40/100/21/C, X1 or X2	IEC
Alt.	Sinhua Electronics (Huzhou) Co., Ltd.	MPX	Min. 250VAC, Max. 0.47μF, 40/100/21/C, X1 or X2	IEC
Alt.	Jiangsu Xinghua Huayu Electronics Co., Ltd.	MPX - Series	Min. 250VAC, Max. 0.47μF, 40/100/21/C, X1 or X2	IEC
Alt.	Dain Electronics Co., Ltd.	MEX, MPX, NPX	Min. 250VAC, Max. 0.47μF, 40/100/21/C, X1 or X2	IEC
Alt.	Shenzhen Jinghao Capacitor Co., Ltd.	CBB62B	Min. 250VAC, Max. 0.47μF, 40/110/56/B, X1 or X2	IEC
Alt.	Foshan Shunde Chuang Ge Electronic Industrial Co., Ltd.	MKP-X2	Min. 250VAC, Max. 0.47μF, 40/105/21/B, X2	IEC
Alt.	Okaya Electric Industries Co. LTD	RE-Series	Min. 250VAC, Max. 0.47μF, 55/100/56/C, X2	IEC
Alt.	VISHAY Capacitors Belgium NV	F 1772	Min. 250VAC, Max. 0.47μF, 40/100/56/C, X2	IEC

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부품명(회로기호) Components(Part no.)	제조자(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 (Technical Data)	인증규격 (Certification)
Alt.	Winday Electronic Industrial Co., Ltd.	MPX series	Min. 250VAC, Max. 0.47μF, 40/100/21/C, X2	IEC
Photo coupler (U4)	Everlight Electronics Co., Ltd.	EL817	Dti=0.5mm Int. , dcr=6.0mm EXT.dcr=7.7mm, thermal cycling test, 110℃	VDE
Alt.	COSMO Electronics Corporation	K1010, KP1010	Dti=0.6mm Int. , dcr=4.0mm EXT.dcr=5.0mm, thermal cycling test, 115℃	VDE
Alt.	Lite-On Technology Corporation	LTV-817	Dti=0.8mm Int. , EXT.dcr=7.8mm, thermal cycling test, 100oC	VDE
Alt.	Fairchild Semiconductor Pte Ltd.	H11A817B, FOD817B	Insulation voltage: 850V; Transient overvoltage: 6000V; CTI175; Int. Cr/ Ext. Cr: ≥7, 0/ 7, 0 mm; 30/110/21	VDE
Alt.	Sharp Corporation Electronic Components and Devices Group	PC817	Insulation voltage: 890V; Transient overvoltage: 9000V Int. Cr/ Ext. Cr: 7.62/ 7.62 mm; 30/100/21	VDE
Alt.	Bright Led Electronics Corp.	BPC-817(A;B; C;D;L), BPC-817 M, BPC-817 S	Dti=0.4mm EXT.dcr=7.0mm, thermal cycling test, 100℃	VDE
Alt.	Toshiba Corporation Semiconductor & Storage Products Company	TLP817F	Dti > 0.4mm, Ext cr > 8.0mm, Isolation 3000Vac min., 110°C min., Thermal cycling test	VDE
Bleeder Resistor (R10, R11)	Yageo Corporation	RV series	R10, R11 Max. 100KΩ,	VDE, CB
Alt.	Ralec Electronic Corp	RTV series	R10, R11 Max. 100KΩ,	CB

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부품명(회로기호) Components(Part no.)	제조자(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 (Technical Data)	인증규격 (Certification)
Alt.	Guangdong Fenghua Advanced Technology Holding Co., Ltd.	RVS series	R10, R11 Max. 100K Ω,	CB
Alt.	Viking Tech Corporation Kaoshiung Branch	HVRC series	R10, R11 Max. 100K Ω,	CB
Alt.	TZAI YUAN ENTERPRISE CO LTD	HSMD OR SMD	R10, R11 Max. 100K Ω,	CB
Alt.	WALSIN TECHNOLOGY CORP	WF12N	R10, R11 Max. 100K Ω,	CB
Alt.	Yageo Corporation	AH series	R10, R11 Max. 100K Ω,	CB
Alt.	PDC	FVS03, FVS05, FVS06, FVS20, TF25V, TF06V, TF08V, TF12V, TF20V, FVS25	R10, R11 Max. 100K Ω,	CB
Varistor MOV1 (Optional)	Thinking Electronic Industrial Co., Ltd.	TVR10471K, TVR14471K	300Vac, coating, Min. V-0, min. 85 °C, 6KV/3KA, pulse test passed	VDE
Alt.	Success Electronics Co., Ltd.	SVR10D471K SVR14D471K	300Vac, coating, Min. V-0, min. 85 °C, 6KV/3KA, pulse test passed	VDE
Alt.	Joyin Co., Ltd.	JVR10N471K JVR14N471K	300Vac, coating, Min. V-0, min. 85 °C, 6KV/3KA, pulse test passed	VDE
Alt.	Thinking Electronic Industrial Co., Ltd.	TVR10621	385Vac, coating, Min. V-0, min. 105 °C, 6KV/3KA, pulse test passed	VDE
Alt.	Shantou High-New Technology Dev. Zone Songtian Enterprise Co., Ltd.	10D621K	385Vac, coating, Min. V-0, min. 125 °C, 6KV/3KA, pulse test passed	VDE

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부품명(회로기호) Components(Part no.)	제조자(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 (Technical Data)	인증규격 (Certification)
Alt.	Xiamen Set Electronics Co., Ltd.	TFV8S471K	300Vac, coating, Min. V-0, min. 105 °C, 6KV/3KA, pulse test passed	VDE TUV RH
Alt.	Xiamen Set Electronics Co., Ltd.	TFV10S471K	300Vac, coating, Min. V-0, min. 105 °C, 6KV/3KA, pulse test passed	TUV RH
Appliance inlet CN1 Class I units(C6 type)	Zhejiang LECI Electronics Co., Ltd.	DB-6	2.5A, 250Vac	IEC
Alt.	Rich Bay Co., Ltd.	R-30790	2.5A, 250Vac	IEC
Alt.	Sun Fair Electric Wire & Cable (HK) Co. Ltd.	S-02	2.5A, 250Vac	IEC
Alt.	TECX-UNIONS Technology Corporation	TU-333	2.5A, 250Vac	IEC
Alt.	Rong Feng Industrial Co., Ltd.	RF-190	2.5A, 250Vac	IEC
Alt.	Zhe Jiang Bei Er jia	ST-A04-002	2.5A, 250Vac	IEC
Appliance inlet CN1 Class I units (C14 type)	Zhejiang LECI Electronics Co., Ltd.	DB-14	10A, 250Vac	IEC
Alt.	Rich Bay Co., Ltd.	R-301SN	10A, 250Vac	IEC
Alt.	Sun Fair Electric Wire & Cable (HK)Co. Ltd.	S-03	10A, 250Vac	IEC
Alt.	TECX-UNIONS Technology Corporation	TU-301-S, TU-301-SP	10A, 250Vac	IEC
Alt.	Rong Feng Industrial Co., Ltd.	SS-120	10A, 250Vac	IEC
Alt.	Zhe Jiang Bei Er jia	ST-A01-003J	10A, 250Vac	IEC

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부품명(회로기호) Components(Part no.)	제조자(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 (Technical Data)	인증규격 (Certification)
Heat-shrinkable tubing (Optional)	SHENZHEN WOER HEAT-SHRINKABLE MATERIAL CO LTD	RSFR, RSFR-H, RSFR-HPF	600V, 125 oC	UL
Alt.	QIFURUI ELECTRONICS CO	QFR-h	600V, 125°C	UL
Alt.	DONGGUAN SALIPT CO LTD	SALIPT S-901-300, SALIPT S-901-600	Min. 300V, 125°C	UL
Alt.	GUANGZHOU KAIHENG ENTERPRISE GROUP	K-2 (+) K-2 (CB)	Min. 300V, 125°C	UL
Alt.	CHANGYUAN ELECTRONICS (SHENZHEN) CO LTD	CB-HFT	Min. 300V, 125°C	UL
Line filter LF1	GlobTek/HAOPUWEI/ HEJIA/BOAM/ENG	GTM91099-LF1	Min. 200uH	-
Line filter LF2	GlobTek/HAOPUWEI/ HEJIA/BOAM/ENG	NF00031	Min. 10mH	-
Transformer (T1)	GlobTek / ENG / BOAM / HAOPUWEI	TF063	Class B	-
Enclosure (all parts)	SABIC INNOVATIVE PLASTICS B V	HF500R	V-0, 125°C, Min. thickness: 2.0mm	UL
Alt.	SABIC INNOVATIVE PLASTICS B V	CX7211	V-0, 90°C, Min. thickness: 2.0mm	UL
Alt.	SABIC INNOVATIVE PLASTICS B V	945	V-0, 120°C, Min. thickness: 2.0mm	UL
Alt.	SABIC JAPAN L L C	CX7211	V-0, 90°C, Min. thickness: 2.0mm	UL
Alt.	SABIC JAPAN L L C	945	V-0, 120°C, Min. thickness: 2.0mm	UL
Alt.	TEIJIN CHEMICALS LTD	LN-1250G	V-0, 115°C, Min. thickness: 2.0mm	UL

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3. 전기용품안전인증의 변경현황(Status of Certificate Revisions)

일자(Date)	발급현황(Status of issues)
	변경내용(Modification of Contents)
2024/12/18	신규발급(파생)

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 될수 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 제 11조에 따라 안전인증이 취소될수 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.

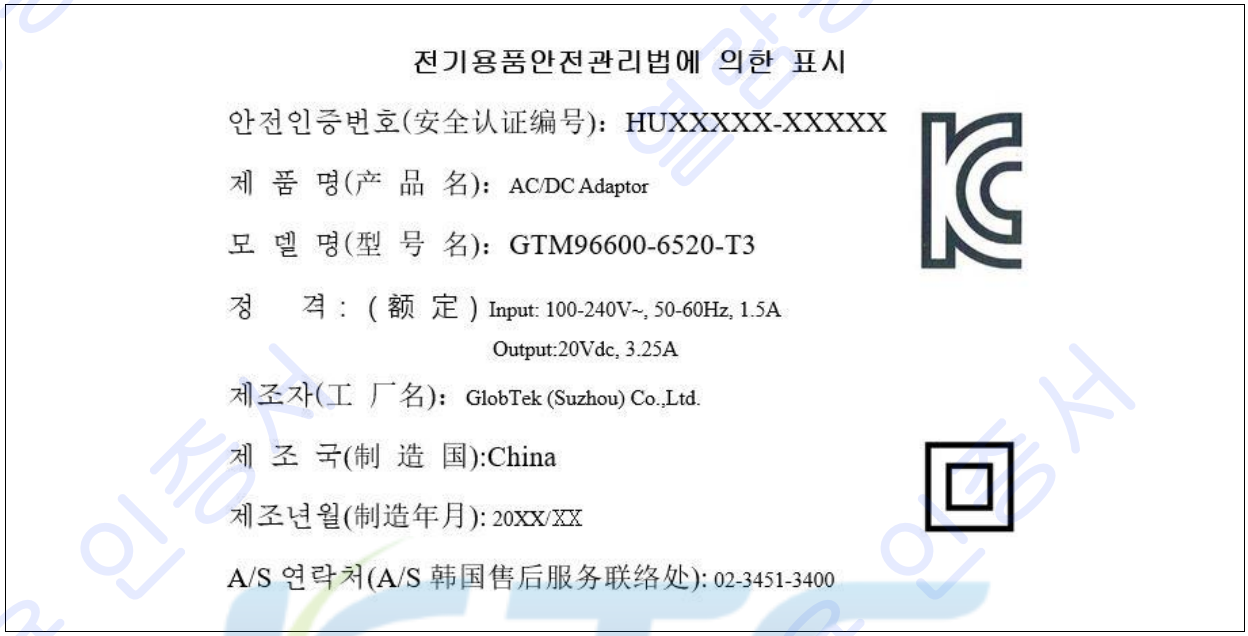
Should a factory address, president name, manufacturer name and critical component are altered without the application for the modification, the administrative measures can occur according to the Electrical Appliances and Customer Products Safety Control Act.

4) 조건부 인증사항 (Conditional certification items) :

기술문서붙임자료

안전인증번호 : HU10499-24065 **접수번호 :** KCA2024-15789

NO. 1 제품사진



NO. 2 제품사진



안전인증번호 : HU10499-24065 **접수번호 :** KCA2024-15789

NO. 3 제품사진

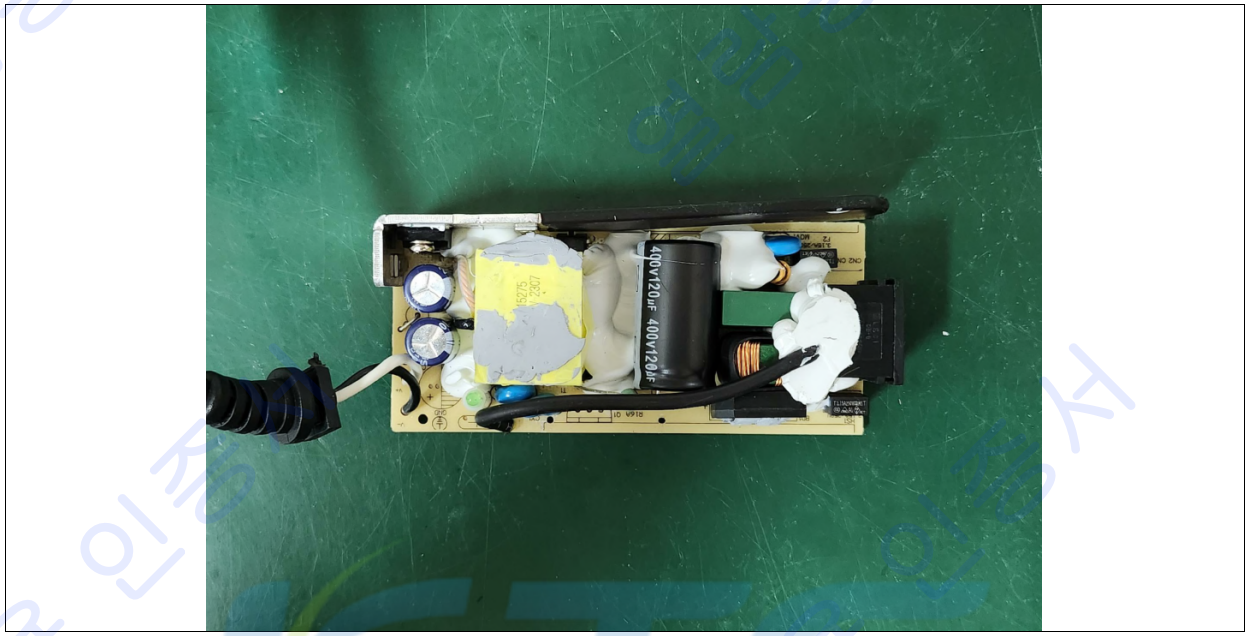


NO. 4 제품사진

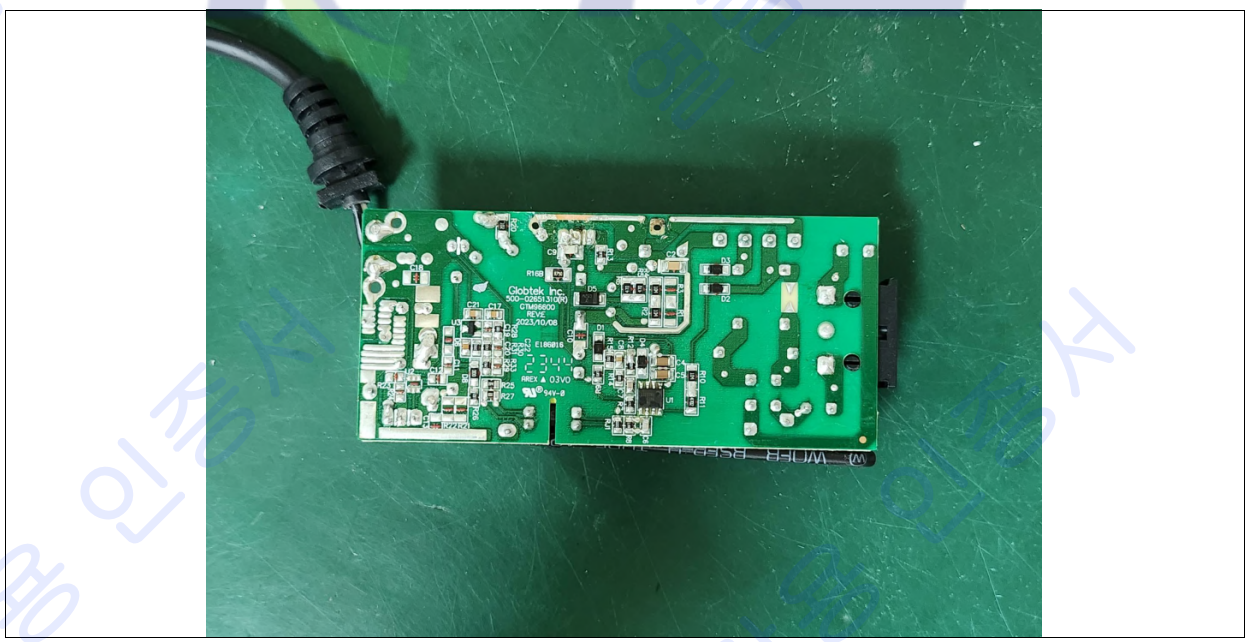


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NO. 5 제품사진



NO. 6 제품사진



안전인증번호 : HU10499-24065 **접수번호 :** KCA2024-15789

NO. 7 제품사진(with C14 AC inlet)



NO. 8 제품사진(with C6 AC inlet)

