

접 수 번 호 : 25-043926-01-1
(Receipt No.)



안전확인신고 증명서

Confirmation Letter of Declaration

신 고 번 호 (Application No.) : ZU101076-25002
신 고 회 사 명 (Applicant) : MEAN WELL (Guangzhou) Electronics Co.,Ltd.
주 소 (Address) : No.11 Jingu South Road, Huadu District, Guangzhou 510890, Guangdong, China
제 품 명 (Product) : 컴퓨터용 전원공급장치(Switching Power Supply)
기 본 모 델 명 (Basic Model) : LRS-1200-48KC
파 생 모 델 명 (Series Model) : See the attachment 2
정격/안전기준상의 모델구분 (Rating) : Input: 200-240 Vac, 50/60 Hz, 7 A;
Output: 48 Vdc, 25 A;
안 전 기 준 (Standard) : KC62368-1(2021-08)

본 확인신고는 제 조 국 명 : 중국

제조업자 명 : MEAN WELL (Guangzhou) Electronics Co.,Ltd.

제조공장의 주소 : No.11 Jingu South Road, Huadu District, Guangzhou 510890, Guangdong, China

다수 공장의 명 : “이면기재” 의 제품에만 해당함

「전기용품 및 생활용품 안전관리법 시행규칙」 제28조제1항, 같은 조 제3항, 제29조제2항 또는 제34조제2항에 따라 안전확인신고 증명서를 발급합니다.

We issue this Confirmation Letter of Declaration of the Safety Confirmation for the above appliance in accordance with the Article 28(1), 28(3), 29(2) or 34(2) of the Enforcement Rule of the Electrical Appliances and Consumer Products Safety Control Act.

2025 년 08 월 06 일
Year month day

한국산업기술시험원장
KOREA TESTING LABORATORY



※ 이 신고증명서는 「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)(전기용품에 한정한다)
2. 기본모델·파생모델의 내용(Description of the basic and series model)
3. 안전확인신고 내용의 변경 현황(Revisions Status)

안전인증 및 자율안전확인을 받은 자의 유의사항

Notification for recipient (license holder) of Safety Certification and Confirmation Letter of Declaration

1. 본 인증서 또는 신고증명서는 기재된 제조공장에서 생산된 제품으로서 적용된 안전기준에 적합한 경우에 한하여 유효합니다. (This certificate or confirmation letter of declaration is valid only when the product meets the applied safety standard(s) and is manufactured from the manufacturing factory that appears on this certificate.)
2. 안전인증 또는 안전확인 마크는 본래의 의미와 다르게 사용자가 오해를 일으킬 수 있는 방법으로 광고, 카탈로그 등에 사용하면 인증정지 또는 취소의 사유가 됩니다. (Termination or cancellation of the certification may occur if the actual meaning of this safety certification mark(KC-mark) or Confirmation Letter of Declaration mark(KC-mark) is misled to the public by false advertisement on a overstated catalog of the product.)
3. 다음과 같은 사유가 발생할 경우에는 사유가 발생한 날로부터 15일 이내에 안전인증기관에 안전인증 또는 안전확인 변경 신청을 하여 안전인증서 또는 안전확인신고 증명서를 재교부 받아야 합니다. (In case of the following events, this safety certificate or Confirmation Letter of Declaration shall be reapplied within 15 days from the events and reissued for revision.)
 - 1) 제조업자, 수입업자, 주소 등 인증서 기재내용의 변경 (Revision in contents of the certificate such as factory name, importer, factory address, etc)
 - 2) 파생모델의 추가, 변경 또는 삭제 (Adds, changes, or removals of derivative(minor series) model)
 - 3) 안전관리부품의 변경 또는 추가 (Adds or changes in critical components list)
 - 4) 인증서 또는 신고증명서의 분실 또는 훼손 (Losses or damages to this certificate or confirmation letter of declaration)
4. 안전인증 또는 안전확인을 받은 자는 다음 사항을 이행하여야 합니다. (The recipient (license holder) of safety certification (KC-mark) or confirmation letter of declaration shall comply with the followings.)
 - 1) 안전인증표시 등 인증요건의 유지 관리 (Maintaining and managing the marking of safety certification and other certification requirements)
 - ※ 안전인증을 받기 이전 또는 정지, 취소된 이후 생산된 제품에 안전 표시를 하면 법에 의거 처벌을 받게 됨 (It will be punished by the Act if the certification mark is used before the issue (or after suspension or cancellation) of the certification)
 - 2) 자체검사의 실시 및 그 기록관리 (Self Product Verification and record keeping)
 - ※ 안전인증을 받은 자는 제품검사를 철저히 실시하여 제품의 품질이 안전기준에 미달되지 않도록 유의 (Recipients (license holder) of the safety certification (KC-mark) shall conduct products inspection strictly for products to comply with the safety standard.)
5. 안전인증을 받은 자는 전기용품 및 생활용품 안전관리법 제7조 1항 및 동법 시행령 제9조에 의거 2년에 1회 정기검사를 받아야 합니다. (Recipients (license holder) of the safety certification (KC-mark) shall receive routine (regular) factory inspection once every two years according to the Electrical Appliances and Consumer products Safety Control Act article 7(1) and article 9 of Enforcement decree of the same Act.)

(연락처: 인증융합센터, Tel 055-791-3400, 3401)
(Contact point: Certification Evaluation Center Tel: +82 55 791 3400, 3401)

다수 공장의 현황
(The status of Multiple Factories)

No	현황	
1	다수 공장의 명 (Name)	Yongden Technology Corporation
	주소 (Address)	345 MacArthur HighWay, Tabang, Guiguinto, Bulacan 3015, Philippines
	제조국명 (Origin)	필리핀
2	다수 공장의 명 (Name)	MEAN WELL INDIA ELECTRONICS PRIVATE LIMITED
	주소 (Address)	9C, Peenya industrial area, Chokkasandra, 2ND PHASE, PEENYA, Bengaluru (Bangalore) Urban, Karnataka, 560058, India
	제조국명 (Origin)	인도
3	다수 공장의 명 (Name)	SuZhou MEAN WELL Technology Co., Ltd
	주소 (Address)	No.269, ChangPing Road, Huangdai Town, Xiangcheng District, Suzhou, China
	제조국명 (Origin)	중국
4	다수 공장의 명 (Name)	MEAN WELL ENTERPRISES CO., LTD.
	주소 (Address)	No. 28 Wuquan 3rd Road, Wugu District, New Taipei City 248, Taiwan (R.O.C.)
	제조국명 (Origin)	대만

□ 첨부 1 : 전기용품의 안전관리부품 및 재질목록
List of Critical Components

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Metal Enclosure	Interchangeable	Interchangeable	Steel or aluminum. Min. 0.5 mm thickness.	Test with equipment
PWB	Interchangeable	Interchangeable	V-1 or better, min. 130 °C	UL
Fuse (FS1)	Conquer Electronics Co Ltd	UBM-A	T15 A, 277 Vac	TUV
Alternate	SUZHOU WALTER ELECTRONIC CO LTD	WN30	T15 A, 420 Vac	TUV
Alternate	HOLLYLAND CO LTD	5HF(P)	T15 A, 300 Vac	TUV
Varistor (ZNR1) (Optional)	Thinking Electronic Industrial Co Ltd	TVR10561-V, TVR14561-V	Min. 350 Vac, min. 450 Vdc (Flame class of body coating complied with V-0), 105 °C, min 3 kV/1.5 kA	TUV
Alternate	Thinking Electronic Industrial Co., Ltd.	TVR10561-D, TVR14561-D	Min. 350 Vac, min. 450 Vdc (Flame class of body coating complied with V-0), 105 °C, min 4 kV/2 kA	TUV
Alternate	Thinking Electronic Industrial Co., Ltd.	TVR14561-M	Min. 350 Vac, min. 450 Vdc (Flame class of body coating complied with V-0), 125 °C, min 6 kV/3 kA	VDE
Alternate	Thinking Electronic Industrial Co., Ltd.	TVR14561	Min. 350 Vac, min. 450 Vdc (Flame class of body coating complied with V-0), 105 °C min 6 kV/3 kA	TUV
Alternate	Centra Science Corp	CNR-10D561K, CNR-14D561K	Min. 350 Vac (Flame class of body coating complied with V-0), 105 °C, min 3 kV/1.5 kA	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alternate	Guangdong Huiwan Electronics Technology Co Ltd	V-561K-10EH, V-561K-14EH	Min. 350 Vac, min. 450 Vdc, 125 °C (Flame class of body coating complied with V-0)	VDE
Alternate	XIAMEN WANMING ELECTRONICS CO LTD	WMR10D561K-2, WMR14D561K-2	Min. 350 Vac, min. 450 Vdc, 105 °C (Flame class of body coating complied with V-0)	VDE
Bleeder resistor (R1, R2, R3, R4)	Interchangeable	Interchangeable	Each rated max. 330 kΩ , min. 1/4 W	Test with equipment
X-Cap (C1, C2) (Optional)	KEMET ELECTRONICS CORPORATION	R.46	C1: max. 1.0 uF ± 20 %, C2: max. 1.5 uF ± 20 %, min. 300 V, 110 °C, X2 type	ENEC
Alternate	TDK (Zhuhai FTZ) Co., Ltd	B3292	C1: max. 1.0 uF ± 20 %, C2: max. 1.5 uF ± 20 %, min. 305 V, 110 °C, X2 type	VDE
Alternate	LIOW GU ELECTRONICS INDUSTRY CO LTD	GS-L	C1: max. 1.0 uF ± 20 %, C2: max. 1.5 uF ± 20 %, min. 310 V, 110 °C, X2 type	ENEC
Alternate	Ultra Tech XIPHI ENTERPRISE CO LTD	HQX	C1: max. 1.0 uF ± 20 %, C2: max. 1.5 uF ± 20 %, min. 300 V, 110 °C, X2 type	VDE
Alternate	JOEY ELECTRONICS (DONG GUAN) CO LTD	MPX	C1: max. 1.0 uF ± 20 %, C2: max. 1.5 uF ± 20 %, min. 305V, 110 °C, X1 or X2 type	VDE
Alternate	CARLI ELECTRONICS CO LTD	MPX	C1: max. 1.0 uF ± 20 %, C2: max. 1.5 uF ± 20 %, min. 310 V, 110 °C X1 or X2 type	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alternate	Hua Jung COMPONENTS CO LTD	MKP	C1: max. 1.0 uF $\pm$ 20 %, C2: max. 1.5 uF $\pm$ 20 %, min. 310 V, 110 °C, X2 type	ENEC
Alternate	Yangzhou Nissei Electronics Co., Ltd.	MP1	C1: max. 1.0 uF $\pm$ 20 %, C2: max. 1.5 uF $\pm$ 20 %, min. 305 V, 110 °C, X2 type	VDE
Y-Cap (C3, C4, C23, C24, C30) (Optional)	Sichuan TRX Technology Co.,Ltd.	TRX series	Each rated max. 1000 pF, min. 277 V, 125 °C. Y1 type.	ENEC
Alternate	XIAMEN WANMING ELECTRONICS CO LTD	CK series	Each rated max. 1000 pF, min. 277 V, 125 °C. Y1 type.	ENEC
Y-Cap (C31, C32) (Optional)	Sichuan TRX Technology Co.,Ltd.	TRX series	Each rated max. 2200 pF, min. 277 V, 125 °C. Y1 type.	ENEC
Alternate	XIAMEN WANMING ELECTRONICS CO LTD	CK series	Each rated max. 2200 pF, min. 277 V, 125 °C. Y1 type.	ENEC
DC Fan	Guangdong Shenghui Technology Co., LTD	CHA4012BH-20D	Rated 12 Vdc, 0.18 A, min. 11.05 CFM	TUV
Alternate	ACT-RX TECHNOLOGY CORPORATION	FD1240-D1242D	Rated 12 Vdc, 0.25 A, min. 12.68 CFM	TUV
Alternate	SANYO DENKI CO LTD	9GA0412P6G001	Rated 12 Vdc, 0.23 A, min. 13.06 CFM	TUV
Relay (RY1)	Sanyou Corporation Limited	SJ-S-112EMS, SJ-SH-112EMS, SJ-SH-112EMS3	Rated contact: 16 A, 277 V, Coil: 12 Vdc. 85 °C, 50000 Cycles	TUV
Alternate	Xiamen Hongfa Electroacoustic Co., Ltd.	HF32FV-G/12- HSLTF, HF32FV-G/12- HLTF	Rated contact: 10 A, 277 V, Coil: 12 Vdc. 105 °C, 10000 Cycles	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Photo coupler (U3, U4, U5, U6, U301)	LITE-ON Technology Corporation	LTV-817S	Dti ≥ 0.6 mm, Ext. dcl ≥ 7.0 mm Ext. dcr ≥ 7.0 mm, min. 115 °C. Double protection optical isolators min 5300 Vrms	VDE
Alternate	Vishay Semiconductor GmbH	TCLT1008	Dti ≥ 0.4 mm, Ext. dcl ≥ 8.0 mm Ext. dcr ≥ 8.0 mm, min. 110 °C Double protection optical isolators min 5000 Vac	VDE
Alternate	Everlight Electronics Co., Ltd.	EL817	Dti ≥ 0.4 mm, Ext. dcl ≥ 7.6 mm Ext. dcr ≥ 7.6 mm, min. 110 °C Double protection optical isolators min 5000 Vac	VDE
Alternate	Lite-On Technology Corporation	LTV-1008	Dti ≥ 0.4 mm, Ext. dcl ≥ 8.0 mm Ext. dcr ≥ 8.0 mm, min. 115 °C Double protection optical isolators min 5000 Vac	VDE
Alternate	CT Micro International Corporation	CT1018	Dti ≥ 0.4 mm, Int. dcr ≥ 8.0 mm, Ext. dcr ≥ 8.2 mm, min. 100 °C Double protection optical isolators min 5000 Vac	VDE
Alternate	CT Micro International Corporation	CT817	Dti ≥ 0.4 mm, Int. dcr ≥ 7.0 mm, Ext. dcr ≥ 7.0 mm, min. 110 °C Double protection optical isolators min 5000 Vac	VDE
Alternate	COSMO ELECTRONICS CORP	KT1018	Dti ≥ 0.4 mm, Ext. dcl ≥ 8.0 mm, Ext. dcr ≥ 8.0 mm, min. 115 °C Double protection optical isolators min 5000 Vac	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Choke (LF1, LF2) (Optional)	Mean Well	TR-6249	Min. 130 °C	Test with equipment
Choke (L1) (Optional)	Mean Well	TF-7162	Min. 130 °C	Test with equipment
Choke (L3) (Optional)	Mean Well	TF-7157	Min. 130 °C	Test with equipment
Transformer (T1) (For models, LRS-1200-12 & LRS-1200-12KC)	Mean Well	TF-7158	Class F	Test with equipment
Transformer (T1) (For models, LRS-1200-24 & LRS-1200-24KC)	Mean Well	TF-7159	Class F	Test with equipment
Transformer (T1) (For models, LRS-1200-36 & LRS-1200-36KC)	Mean Well	TF-7160	Class F	Test with equipment
Transformer (T1) (For models, LRS-1200-48 & LRS-1200-48KC)	Mean Well	TF-7161	Class F	Test with equipment
Transformer (T2)	Mean Well	TF-7156	Class F	Test with equipment
Terminal block (TB1)	DINKLE ENTERPRISE CO LTD	DT-49	Rated 25 A, 300 V, min. 105 °C	VDE
Alternate	Switchlab Inc	T44 series	Rated 15 A, 300 V, min. 120 °C	TUV

☐ 유의사항 (Attention) :

1. 안전관리부품은 전기적인 안전에 직접적인 영향을 주는 부품으로서 안전인증기관이 정기공장검사 시 확인 관리 하는 사항입니다. 따라서 상기목록에 기재된 사항을 변경하거나 또는 복수등재를 원하시는 경우는 안전인증기관에 인증변경신청을 하여야 합니다.

As the "Critical components" are parts in directly related with safety, these components shall be checked during a factory inspection by the certification body. In case of applying multiple listing or changing the items above, the certification revision shall be applied.

2. 인증변경신청 없이 임의로 변경하는 경우는, 전기용품 및 생활용품 안전관리법 시행규칙 제 21 조제 1 항 또는 제 38 조제 1 항 규정에 의한 안전인증 취소 혹은 안전확인신고 효력상실 사유가 됨을 유의하시기 바랍니다.

The Safety Certification will be cancelled under the Article 21(1), 38(1) of the Enforcement Rule of the Electrical appliances and Consumer Products Safety Control Act if the contents of the Certification is altered without our authorization.

□ 첨부 2 : 기본모델 · 파생모델의 내용
Description of the basic and series model

파생모델명 Derivative model	기본모델과의 차이점 Differences between the basic and derivative model(s)
LRS-1200-12KC	It is identical to basic model except for model designation, transformer T1, secondary heating sink, manufacturer's specified Tma and output ratings. (Output: 12 Vdc, 92 A)
LRS-1200-24KC	It is identical to basic model except for model designation, transformer T1, secondary heating sink and output ratings. (Output: 24 Vdc, 50 A)
LRS-1200-36KC	It is identical to basic model except for model designation, transformer T1 and output ratings. (Output: 36 Vdc, 33.3 A)
LRS-1200-12	It is identical to basic model except for model designation, transformer T1, secondary heating sink, manufacturer's specified Tma and output ratings. (Output: 12 Vdc, 92 A)
LRS-1200-24	It is identical to basic model except for model designation, transformer T1, secondary heating sink and output ratings. (Output: 24 Vdc, 50 A)
LRS-1200-36	It is identical to basic model except for model designation, transformer T1 and output ratings. (Output: 36 Vdc, 33.3 A)
LRS-1200-48	It is identical to basic model except for model designation.
제품특기사항 및 시험조건 Remarks & Test conditions	
1. MoU NCB Review Report based on: (25-043926-01-2) - CB Certificate Ref. No.: DK-166673-UL, DK-166673-M1-UL (UL Solutions (Demko)) - CB Test Report No.: E183223-A6158-CB-1, E183223-A6158-CB-1 Amendment 1 (UL-CCIC Company Limited Guangzhou Branch) 2. Product Description: - Measured Power Consumption: 1286.8 W - Insulation Class: Class I - Protection against Ingress of water: IPX0 - Mass of Equipment: Max. 1.16 kg	

제품특기사항 및 시험조건
Remarks & Test conditions

★ Factory(ies) information

- SuZhou MEAN WELL Technology Co., Ltd
No.269, ChangPing Road, Huangdai Town, Xiangcheng District, Suzhou, China
- MEAN WELL ENTERPRISES CO., LTD.
No. 28 Wuquan 3rd Road, Wugu District, New Taipei City 248, Taiwan (R.O.C.)
- Yongden Technology Corporation
345 MacArthur Highway, Tabang, Guiguinto, Bulacan 3015, Philippines
- MEAN WELL INDIA ELECTRONICS PRIVATE LIMITED
9C, Peenya industrial area, Chokkasandra, 2ND PHASE, PEENYA,
Beng aluru (Bangalore) Urban, Karnataka, 560058, India

- ☐ 본 제품의 검토내용에 관하여 문의하실 사항이 있으시면 아래 연락처로 문의하시기 바랍니다.
검토담당자 / 연락처 : 인증사업본부 인증융합센터 장 재용 / 055-791-3305
- ☐ If you have any question on product review, please contact the person below :
Job holder: Certification Business Division, Certification Convergence Center, J.Y.Jang / +82 55 791 3305

FP511-05-00

☐ 첨부 3 : 안전확인신고 내용의 변경 현황
Revisions Status

변경발급 내용
Contents of Certificate Revisions

Not applicable

FP511-06-00

☐ 첨부 : 제품사진
Photographs



