

접 수 번 호 : 24-023155-01-1
(Receipt No.)



안전확인신고 증명서

Confirmation Letter of Declaration

신 고 번 호 : ZU101076-19002B
(Application No.)

신 고 회 사 명 : MEAN WELL (Guangzhou) Electronics Co.,Ltd.
(Applicant)

주 소 : No.11 Jingu South Road, Huadu District, Guangzhou 510890,
(Address) Guangdong, China

제 품 명 : 컴퓨터용 전원공급장치(Switching Power Supply)
(Product)

기 본 모 델 명 : LRS-350-12
(Basic Model)

파 생 모 델 명 : LRS-350-24
(Series Model)

정격/안전기준상의 모델구분 : AC 100-120/200-240 V, 50/60 Hz, 6.8/3.4 A, Class I
(Rating) (DC output: +12 V, 29 A)

안 전 기 준 : KC62368-1(2021-08)
(Standard)

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
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.

2024 년 04 월 18 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)

□ 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
Chassis	Interchangeable	Interchangeable	Metal (SGCC or Aluminum), minimum. 0.6 mm thick.	-
PCB	Interchangeable	Interchangeable	V-1 or better, 130 °C min.	UL
Terminal Block (TB1)	DINKLE ENTERPRISE CO LTD	DT-4 series	20 A, 300 V, 115 °C	UL
(Alternate)	DINKLE ENTERPRISE CO LTD	DT-45 series	25 A, 300 V, 105 °C	UL
(Alternate)	DINKLE ENTERPRISE CO LTD	DT-49 series	25 A, 300 V, 105 °C	VDE
(Alternate)	SWITCHLAB INC	T14 series	20 A, 300 V, 140 °C	TUV
(Alternate)	SWITCHLAB INC	T34 series	20 A, 300 V, 120 °C	UL
(Alternate)	SWITCHLAB INC	T44 series	15 A, 300 V, 120 °C	TUV
(Alternate)	CIXI PANS AUTOMATIC CONTROL EQUIPMENT FACTORY	PT-49 series	25 A, 300 V, 105 °C	VDE
(Alternate)	CIXI PANS AUTOMATIC CONTROL EQUIPMENT FACTORY	PT-4C-25 series	25 A, 300 V, 135 °C	VDE
(Alternate)	DINKLE ENTERPRISE CO LTD	DT-49-H66W	Max. 630 V, Max. 24 A, 120 °C	ENEC
DC Fan	ACT-RX TECHNOLOGY	FD1260-S3012C	12 Vdc, 0.13 A, 15.22 CFM, inward airflow, secured to the top metal chassis by screws.	TUV
(Alternate)	ACT-RX TECHNOLOGY	FD1260-S3112C	12 Vdc, 0.13 A, 17.02 CFM, inward airflow, secured to the top metal chassis by screws.	TUV

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternate)	ACT-RX TECHNOLOGY	FD1260-D2142A	12 Vdc, 0.22 A, 16.41 CFM, inward airflow, secured to the top metal chassis by screws.	TUV
(Alternate)	ACT-RX TECHNOLOGY	FD1260-D1142	12 Vdc, 0.29 A, 19.6 CFM, inward airflow, secured to the top metal chassis by screws.	TUV
(Alternate)	ACT-RX TECHNOLOGY	FD1260-D0142A	12 Vdc, 0.37 A, 23.7 CFM, inward airflow, secured to the top metal chassis by screws.	TUV
(Alternate)	ACT-RX TECHNOLOGY	FD1260-S1112C	12 Vdc, 0.19 A, 18.4 CFM, inward airflow, secured to the top metal chassis by screws.	TUV
(Alternate)	Sunonwealth Electric Machine Industry Co Ltd	KDE1206PHV2	12 Vdc, 0.08 A, 18 CFM, inward airflow, secured to the top metal chassis by screws.	TUV
(Alternate)	Sunonwealth Electric Machine Industry Co Ltd	KD1206PHB2	12 Vdc, 0.94 A, 18.5 CFM, inward airflow, secured to the top metal chassis by screws.	TUV
(Alternate)	Minebeamitsumi Inc	2404KL-04W-B40	12 Vdc, 0.25 A, 16.2 CFM, inward airflow, secured to the top metal chassis by screws.	TUV
(Alternate)	Minebeamitsumi Inc	2404KL-04W-B50	12 Vdc, 0.35 A, 19 CFM, inward airflow, secured to the top metal chassis by screws.	TUV
(Alternate)	Minebeamitsumi Inc	2406KL-04W-B40	12 Vdc, 0.17 A, 15.9 CFM, inward airflow, secured to the top metal chassis by screws.	TUV

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternate)	Minebeamitsumi Inc	2406RL-04W-S40	12 Vdc, 0.12 A, 17.3 CFM, inward airflow, secured to the top metal chassis by screws.	TUV
(Alternate)	Yen Sun Technology Corp	FD126010LB	12 Vdc, 0.14 A, 17.3 CFM, inward airflow, secured to the top metal chassis by screws.	TUV
(Alternate)	Yen Sun Technology Corp	FD126010MB	12 Vdc, 0.17 A, 21 CFM, inward airflow, secured to the top metal chassis by screws.	TUV
(Alternate)	Yen Sun Technology Corp	FD126010HB	12 Vdc, 0.24 A, 23.3 CFM, inward airflow, secured to the top metal chassis by screws.	TUV
(Alternate)	Yen Sun Technology Corp	FD126015HB	12 Vdc, 0.22 A, 24.1 CFM, inward airflow, secured to the top metal chassis by screws.	TUV
(Alternate)	ZHAOQING SHENGHUI ELECTRONIC TECHNOLOGY CO.,LTD.	CHA6012RM-15D	12 Vdc, 0.2 A, 16.6 CFM, inward airflow, secured to the top metal chassis by screws.	TUV
(Alternate)	Doceng Technology Co Ltd	FD126015-SL1	12 Vdc, 0.13 A, 15.54 CFM, inward airflow, secured to the top metal chassis by screws.	TUV
Fuse (FS1)	Conquer Electronics Co., Ltd.	UBM-A	F10 AH, 250 Vac	VDE
(Alternate)	Walter Electronic Co Ltd	FSC+P	F10 AH, 250 Vac	VDE
X-Capacitor (C1, C2) (Optional)	Kemet Electronics Italia Srl	R.46	Rated C1 max. 0.68 uF, C2 max. 0.33 uF, min. 250 Vac, 110 °C. Class X2.	ENEC
(Alternate)	Kemet Electronics Italia Srl	R.49	Rated C1 max. 0.68 uF, C2 max. 0.33 uF, min. 250 Vac, 110 °C. Class X1 or X2.	ENEC

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternate)	Epcos Electronic Components S A	B3292#, B3292, B3292#C/D/T/S/H/J3 series	Rated C1 max. 0.68 uF, C2 max. 0.33 uF, min. 250 Vac, 105 °C. Class X2 or X2.	VDE, ENEC
(Alternate)	Iskra Kondenz Atorji D D	KNB1530, KNB1560	Rated C1 max. 0.68 uF, C2 max. 0.33 uF, min. 250 Vac, 100 °C. Class X2.	ENEC
(Alternate)	Liow Gu Electronics Industry Co Ltd	GS-L	Rated C1 max. 0.68 uF, C2 max. 0.33 uF, min. 250 Vac, 110 °C. Class X2.	ENEC
(Alternate)	Pilkor Electronics Co Ltd	PCX2 335, PCX2 335M, PCX2 337	Rated C1 max. 0.68 uF, C2 max. 0.33 uF, min. 250 Vac, 100 °C. Class X1 or X2.	ENEC
(Alternate)	Ultra Tech Xiphi Enterprise Co Ltd	HQX	Rated C1 max. 0.68 uF, C2 max. 0.33 uF, min. 250 Vac, 100 °C. Class X2.	VDE
(Alternate)	Cheng Tung Industrial Co Ltd	CTX	Rated C1 max. 0.68 uF, C2 max. 0.33 uF, min. 250 Vac, 105 °C. Class X1 or X2.	ENEC
(Alternate)	Hua Jung Components Co Ltd	MKP	Rated C1 max. 0.68 uF, C2 max. 0.33 uF, min. 250 Vac, 110 °C. Class X2.	ENEC
(Alternate)	Carli Electronics Co Ltd	MPX	Rated C1 max. 0.68 uF, C2 max. 0.33 uF, min. 250 Vac, 100 °C. Class X2.	VDE, ENEC
(Alternate)	Chiefcon Electronics Co Ltd	CKX	Rated C1 max. 0.68 uF, C2 max. 0.33 uF, min. 250 Vac, 100 °C. Class X1 or X2.	VDE
Bleeder resistor (R1, R2)	Tzai Yuan Enterprise Co., Ltd.	SMD*****	Each rated max. 510 kΩ , min. 1/4 W, provided in series.	UL
(Alternate)	WALSIN TECHNOLOGY CORP	WF06N, WF12N, WF20N	Each rated max. 510 KΩ , Min. 100kΩ , min. 1/4 W, provided in series.	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternate)	Guangdong Fenghua Advanced Technology Holding Co., Ltd.	RS-06#xxxFT series	Each rated max. 510 K Ω , Min. 100k Ω , min. 1/4 W, provided in series.	Nemko
Y-Capacitor (C3, C4, C23, C24, C30) (Optional)	Murata Mfg Co Ltd	KX	Each rated max. 4700 pF, min. 250 Vac., 125 °C, Class Y1.	VDE
(Alternate)	Walsin Technology Corp	AH, AS	Each rated max. 4700 pF, min. 250 Vac., 125 °C, Class Y1.	VDE
(Alternate for C24 only)	Walsin Technology Corp	AC	Each rated max. 4700 pF, min. 250 Vac., 125 °C, Class Y2 (with 2500 Vdc ES).	VDE
(Alternate)	Tdk Corporation	CD	Each rated max. 4700 pF, min. 250 Vac., 125 °C, Class Y1.	VDE
(Alternate)	Welson Industrial Co Ltd	WD	Each rated max. 4700 pF, min. 250 Vac., 125 °C, Class Y1.	VDE
(Alternate)	Vishay Electronic Gmbh	VY1, WKP	Each rated max. 4700 pF, min. 250 Vac., 125 °C, Class Y1.	VDE
(Alternate)	Vishay Electronic Gmbh	440L	Each rated max. 4700 pF, min. 250 Vac., 125 °C, Class Y1.	VDE
(Alternate)	Xiamen Wanming Electronics Co Ltd	HJ	Each rated max. 4700 pF, min. 250 Vac., 125 °C, Class Y1.	VDE
(Alternate)	Guangdong Huiwan Electronics Technology Co Ltd	AR	Each rated max. 4700 pF, min. 250 Vac., 125 °C, Class Y1.	VDE
Varistor (ZNR1) (Optional)	Centra Science Corp	CNR-14D471K	300 Vac, 385 Vdc, Min.105 °C, (Flame class of body coating complied with V-0)	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternate)	Joyin Co Ltd	14S471K, 10S471K, 14N471K	300 Vac, 385 Vdc, Min.85 °C, (Flame class of body coating complied with V-0)	VDE
(Alternate)	Thinking Electronic Industrial Co Ltd	TVR10471, TVR14471, TVR10471-V, TVR14471-V, TVR10471-D, TVR14471-D	300 Vac, 385 Vdc, Min.105 °C, (Flame class of body coating complied with V-0)	VDE
(Alternate)	Guangdong Huiwan Electronics Technology Co Ltd	V-471K-10E H, V-471K-14E H	300 Vac, 385 Vdc 125 °C , (Flame class of body coating complied with V-0),	VDE
Varistor (ZNR5, ZNR6)	Centra Science Corp	CNR-14D241K	150 Vac, 200 Vdc, 105 °C, (Flame class of body coating complied with V-0)	VDE
(Alternate)	Joyin Co Ltd	14S241K, 10S241K, 14N241K	150 Vac, 200 Vdc, 85 °C, (Flame class of body coating complied with V-0)	VDE
(Alternate)	Thinking Electronic Industrial Co Ltd	TVR10241, TVR14241, TVR10241-V, TVR14241-V, TVR10241-D, TVR14241-D	150 Vac, 200 Vdc, 105 °C, (Flame class of body coating complied with V-0)	VDE
(Alternate)	Guangdong Huiwan Electronics Technology Co Ltd	V-241K-10E H, V-241K-14E H	150 Vac, 200 Vdc , 125 °C, (Flame class of body coating complied with V-0)	VDE
Voltage Select Switch (SW1)	Rong Feng Industrial Co Ltd	RF-1002B	10 A, 250 V	ENEC
(Alternate)	Pronic Electronics (Shenzhen) Co Ltd	L16	10 A, 250 V	ENEC
(Alternate)	Pronic Electronics (Shenzhen) Co Ltd	L21	10 A, 250 V	ENEC
(Alternate)	Pronic Electronics (Shenzhen) Co Ltd	3331	10/5 A, 250 V	ENEC
(Alternate)	Solteam Electronics Co Ltd	EV-12L	10 A, 250 V	ENEC
Line Choke (LF1) (Optional)	MEAN WELL Enterprises Co., Ltd.	LF-251, LF-604, LF-705	Rated min. 105 °C.	--

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternate)	MEAN WELL Enterprises Co., Ltd.	LF-6048	Rated min. 130 °C.	--
Bridge Capacitor (C31) (Optional)	MURATA MFG CO LTD	KX	Rated max. 2200 pF, min. 250 Vac. Class Y1, 125 °C.	VDE
(Alternate)	WALSIN TECHNOLOGY CORP	AH, AS	Rated max. 2200 pF, min. 250 Vac. Class Y1, 125 °C.	VDE
(Alternate)	TDK CORPORATION	CD	Rated max. 2200 pF, min. 250 Vac. Class Y1, 125 °C.	VDE
(Alternate)	WELSON INDUSTRIAL CO LTD	WD	Rated max. 2200 pF, min. 250 Vac. Class Y1, 125 °C.	VDE
(Alternate)	VISHAY ELECTRONIC GMBH	VY1	Rated max. 2200 pF, min. 250 Vac. Class Y1, 125 °C.	VDE
(Alternate)	Xiamen Wanming Electronics Co Ltd	HJ	Rated max. 2200 pF, min. 250 Vac. Class Y1, 125 °C.	VDE
(Alternate)	Guangdong Huiwan Electronics Technology Co Ltd	AR	Rated max. 2200 pF, min. 250 Vac. Class Y1, 125 °C.	VDE
Optical Isolator (U2, U3)	Lite-On Technology Corp.	LTV-817, LTV-817M	Reinforced insulation	VDE, D
(Alternate)	Sharp Corp. Electronic Components Group	PC123	Reinforced insulation	VDE, FI
(Alternate)	Cosmo Electronics Corp.	K1010	Reinforced insulation	VDE, D
(Alternate)	EVERLIGHT ELECTRONICS CO LTD	EL817	Reinforced insulation	VDE
(Alternate)	CT MICRO ELECTRONICS FAR EAST LTD	CT817	Reinforced insulation	VDE
Transformer (T1)	MEAN WELL Enterprise Co., Ltd.	TF-2713 (for LRS- 350-12), TF-2715 (for LRS- 350-24)	Class B	--

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
☐ 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. <i>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.</i> 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. <i>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.</i>				

FP511-04

☐ 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-350-24	Model LRS-350-24 is similar to the Basic model except for model designation, output rating, Transformer secondary winding.
제품특기사항 및 시험조건 Remarks & Test conditions	
1. Review Ref. No.: 19-074309-01-2 (2019.12.11) 2. Product Description: - Measured Power Consumption: 404 W - Insulation Class: Class I - Protection against Ingress of water: IPX0 - Mass of Equipment: 722 g	
☐ 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

☐ 첨부 3 : 안전확인신고 내용의 변경 현황
Revisions Status

변경발급 내용 Contents of Certificate Revisions
1st Rev.) Change of applicant name, president and address (21-080734-11-1 : 2022.01.06.) – Before : MEAN WELL (GUANGZHOU) ELECTRONICS CO., LTD HUADU BRANCH / Yin Xiao Ming / No.11 Jingu South Road, Huadong Town, Huadu District, Guangzhou 510890, P.R. China After : MEAN WELL (Guangzhou) Electronics Co.,Ltd. / Aden Wang / No.11 Jingu South Road, Huadu District, Guangzhou 510890, Guangdong, China 2nd Rev.) KC Standard update (24-023155-01-1 : 2024.04.18.) – KC Standard update: K 60950-1 → KC 62368-1 – Components list update – CB Certificate Ref. No.: DK-127739-M2-UL (UL Solutions (Demko)) – CB Test Report No.: E183223-4790304428-1 Amendment 2 (UL-CCIC Company Limited Guangzhou Branch)

FP511-06