

접 수 번 호 : 25-032851-01-1
(Receipt No.)



안전확인신고 증명서

Confirmation Letter of Declaration

신 고 번 호 : ZU101076-19002C
(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.

2025 년 06 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)

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)

□ 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)	Guangdong Shenghui 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. 100k Ω , 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>				

FP511-04-01

☐ 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	

FP511-05-00

☐ 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) 3rd Rev.) Update of component list (25-032851-01-1 : 2025.06.18.) - Change the DC fan's Manufacturer from "Zhaoqing Shenghui Electronic Technology Co.,Ltd." to "Guangdong Shenghui Technology Co., Ltd" - CB Certificate Ref, No.: DK-166147-UL (UL Solutions (Demko)) - CB Test Report No.: E183223-A6155-CB-1 (UL-CCIC Company Limited Guangzhou Branch)

FP511-06-00

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

한국산업기술시험원
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

접 수 번 호 : 21-080734-11-1
(Receipt No.)



안전확인신고 증명서

Confirmation Letter of Declaration

신 고 번 호 (Application No.) : ZU101076-19002A
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-350-12
파 생 모 델 명 (Series Model) : LRS-350-24
정격/안전기준상의 모델구분 (Rating) : AC 100-120/200-240 V, 50/60 Hz, 6.8/3.4 A, Class I
(DC output: +12 V, 29 A)
안 전 기 준 (Standard) : K60950-1(2011-12)

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.

2022 년 01 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)

☐ 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 Chassis	Interchangeable	Interchangeable	Metal (SGCC or Aluminum), min 0.6 mm thick	-
DC Fan (Airflow inward)	ACT-RX TECHNOLOGY	FD1260-S3012C	Rated 12 Vdc, 0.13 A, 15.22 CFM. Inward Airflow orientation. Secured to the top Chassis by screws.	VDE
(Alternate)	ACT-RX TECHNOLOGY	FD1260-S3112C	Rated 12 Vdc, 0.13 A, 17.02 CFM. Inward Airflow orientation. Secured to the top Chassis by screws.	VDE
(Alternate)	Sunonwealth Electric Machine Industry Co Ltd.	MB60101V1	12 Vdc, 0.12 A, 16 CFM. Inward airflow orientation. Secured to the top Chassis by screws.	VDE
(Alternate)	Sunonwealth Electric Machine Industry Co Ltd.	KDE1206PHV2	12 Vdc, 0.08 A, 18 CFM. Inward airflow orientation. Secured to the top Chassis by screws.	VDE
(Alternate)	Sunonwealth Electric Machine Industry Co Ltd.	KD1206PHB2	12 Vdc, 0.94 A, 18.5 CFM. Inward airflow orientation. Secured to the top Chassis by screws.	VDE
(Alternate)	Minebea Motor Mfg Corp.	2404KL-04WB40	12 Vdc, 0.25 A, 16.2 CFM. Inward airflow orientation. Secured to the top Chassis by screws.	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternate)	Minebea Motor Mfg Corp.	2404KL-04WB50	12 Vdc, 0.25 A, 19 CFM. Inward airflow orientation. Secured to the top Chassis by screws.	VDE
(Alternate)	Minebea Motor Mfg Corp.	2406KL-04WB40	12 Vdc, 0.17 A, 15.9 CFM. Inward airflow orientation. Secured to the top Chassis by screws.	VDE
(Alternate)	Yen Sun Technology Corp.	FD126010LB	12 Vdc, 0.14 A, 17.3 CFM. Inward airflow orientation. Secured to the top Chassis by screws.	VDE
(Alternate)	Yen Sun Technology Corp.	FD126010MB	12 Vdc, 0.17 A, 21 CFM. Inward airflow orientation. Secured to the top Chassis by screws.	VDE
(Alternate)	Yen Sun Technology Corp.	FD126010HB	12 Vdc, 0.24 A, 23.3 CFM. Inward airflow orientation. Secured to the top Chassis by screws.	VDE
(Alternate)	Yen Sun Technology Corp.	FD126015HB	12 Vdc, 0.22 A, 24.1 CFM. Inward airflow orientation. Secured to the top Chassis by screws.	VDE
(Alternate)	Power Logic Technology Inc.	PLA06010B12M	12 Vdc, 0.15 A, 16.81 CFM. Inward airflow orientation. Secured to the top Chassis by screws.	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternate)	Power Logic Technology Inc.	PLA06010B12H	12 Vdc, 0.22 A, 19.11 CFM. Inward airflow orientation. Secured to the top Chassis by screws.	VDE
(Alternate)	Power Logic Technology Inc.	PLA06010B12HH	12 Vdc, 0.22 A, 20.24 CFM. Inward airflow orientation. Secured to the top Chassis by screws.	VDE
(Alternate)	ACT-RX TECHNOLOGY	FD1260-D2142A	12 Vdc, 0.22 A, 16.41 CFM. Inward airflow orientation. Secured to the top Chassis by screws.	VDE
(Alternate)	ACT-RX TECHNOLOGY	FD1260-D1142A	12 Vdc, 0.29 A, 19.6 CFM. Inward airflow orientation. Secured to the top Chassis by screws.	VDE
(Alternate)	ACT-RX TECHNOLOGY	FD1260-D0142A	12 Vdc, 0.37 A, 23.7 CFM. Inward airflow orientation. Secured to the top Chassis by screws.	VDE
(Alternate)	ACT-RX TECHNOLOGY	FD1260-S1112C	12 Vdc, 0.19 A, 18.40 CFM. Inward airflow orientation. Secured to the top Chassis by screws.	VDE
(Alternate)	Delta Electronics Inc.	AFB0612HB	12 Vdc, 0.15 A, 15.36 CFM. Inward airflow orientation. Secured to the top Chassis by screws.	VDE
(Alternate)	Sanyo Denki Co Ltd.	109P0612S701	12 Vdc, 0.15 A, 17.0 CFM. Inward airflow orientation. Secured to the top Chassis by screws.	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternate)	Minebea Motor Mfg Corp.	2406RL-04WS40	12 Vdc, 0.12 A, 17.3 CFM. Inward airflow orientation. Secured to the top Chassis by screws.	VDE
(Alternate)	DOCENG TECHNOLOGY CO LTD	FD126015-SL1	12 Vdc, 0.1 A, 15.54 CFM. Inward airflow orientation. Secured to the top Chassis by screws.	VDE
Terminal block (TB1)	Dinkle Enterprise Co Ltd.	DT-4 series	Rated 300 Vac, 20 A, 115 °C	UL
(Alternate)	CIXI PANS Automatic Control Equipment Fty	PT-49 series	Rated 300 Vac, 25 A, 105 °C.	UL
(Alternate)	Switchlab Inc.	T14 series, T34 series	Rated 300 Vac, 20 A, 120 °C.	UL
(Alternate)	Dinkle Enterprise Co Ltd.	DT-45 series, DT-49 series	Rated 300 Vac, 25 A, 105 °C.	UL
(Alternate)	Switchlab Inc.	T44 series	Rated 300 Vac, 15 A, 120 °C.	UL
(Alternate)	Cixi Pans Automatic Control Equipment Fty	PT-4C-25 SERIES	Rated 25 A, 300 V, 135 °C.	UL
Fuse (FS1)	Conquer Electronics Co., Ltd.	UBM-A	Rated F10 A, 250 Vac	VDE
(Alternate)	Conquer Electronics Co., Ltd.	GBP	Rated F10 A, 250 Vac	VDE
(Alternate)	Walter Electronic Co Ltd	FSC+P	Rated F10 A, 250 Vac	VDE
(Alternate)	Interchangeable	Interchangeable	Rated F10 A, 250 Vac	UL
Varistor (ZNR1) (Optional)	Thinking Electronic Industrial Co., Ltd.	TVR10471, TVR10471-V, TVR10471-D, TVR10471-K, TVR14471, TVR14471-V, TVR14471-D, TVR14471-K	300Vac, 385 Vdc (Body Coating complied with V-0.)	VDE
(Alternate)	Joyin Co., Ltd.	14S471K, 14N471K, 10S471K	300Vac, 385 Vdc (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)	Centra Science Corp.	CNR-14D471K	300Vac, 385 Vdc (Body Coating complied with V-0.)	VDE
Varistor (ZNR5, ZNR6) (Optional)	Thinking Electronic Industrial Co., Ltd.	TVR10241, TVR14241, TVR10241-D, TVR14241-D, TVR10241-V, TVR14241-V, TVR10241-K, TVR14241-K,	Rated 150Vac, 200 Vdc	VDE
(Alternate)	Joyin Co., Ltd.	14S241K, 14N241K, 10S241K	Rated 150Vac, 200 Vdc	VDE
(Alternate)	Centra Science Corp.	CNR-14D241K	Rated 150Vac, 200 Vdc	VDE
X-Capacitor (C1, C2) (Optional)	Kemet Electronics Italia Srl (IEC named: Arcotronics SPA)	R.46	Rated C1: maximum 0.68uF, C2: maximum 0.33uF. Minimum 275 V, minimum 125 °C, marked with X2.	VDE or ENEC
(Alternate)	Kemet Electronics Italia Srl (IEC named: Arcotronics SPA)	R.49	Rated C1: maximum 0.68uF, C2: maximum 0.33uF. Minimum 275 V, minimum 110 °C, marked with X2 or X1.	VDE or ENEC
(Alternate)	EPCOS ELECTRONIC COMPONENTS S A	B3292, B3292#	Rated C1: maximum 0.68uF, C2: maximum 0.33uF. Minimum 275 V, minimum 110 °C, marked with X2.	VDE or ENEC
(Alternate)	Iskra Mis D D	KNB1530	Rated C1: maximum 0.68uF, C2: maximum 0.33uF. Minimum 275 V, minimum 100 °C, marked with X2.	VDE or ENEC
(Alternate)	Iskra Mis D D	KNB1560	Rated C1: maximum 0.68uF, C2: maximum 0.33uF. Minimum 275 V, minimum 110/125 °C, marked with X2.	VDE or ENEC

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternate)	LIOW GU ELECTRONICS INDUSTRY CO LTD	GS-L	Rated C1: maximum 0.68uF, C2: maximum 0.33uF. Minimum 275 V, minimum 110 °C, marked with X2.	VDE or ENEC
(Alternate)	Pilkor Electronics Co Ltd	PCX2 335, PCX2 335M, PCX2 337	Rated C1: maximum 0.68uF, C2: maximum 0.33uF. Minimum 275 V, minimum 110 °C, marked with X2.	VDE or ENEC
(Alternate)	Ultra Tech Xiphi Enterprise Co Ltd	HQX	Rated C1: maximum 0.68uF, C2: maximum 0.33uF. Minimum 275 V, minimum 110 °C, marked with X2.	VDE or ENEC
(Alternate)	Vishay Capacitors Belgium N V	339	Rated C1: maximum 0.68uF, C2: maximum 0.33uF. Minimum 275 V, minimum 110 °C, marked with X2.	VDE or ENEC
(Alternate)	Cheng Tung Industrial Co Ltd	CTX	Rated C1: maximum 0.68uF, C2: maximum 0.33uF. Minimum 275 V, 105/110 °C, marked with X2 or X1.	VDE or ENEC
(Alternate)	Shiny Space Enterprise Co Ltd	SX1	Rated C1: maximum 0.68uF, C2 maximum 0.33uF. Minimum 275 V, minimum 105 °C, marked with X2 or X1.	VDE or ENEC
Y-Capacitor (C3, C4, C22, C23, C30) (Optional)	MURATA MFG CO LTD	KX, KH, KY	Rated maximum 4700 pF, minimum 250 V, minimum 125 °C. Marked with an Y2 or Y1.	VDE or ENEC

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternate)	TDK-EPC Corp	CD, CS	Rated maximum 4700 pF, minimum 250 V, minimum 85 °C. Marked with an Y2 or Y1.	VDE or ENEC
(Alternate)	WALSIN TECHNOLOGY CORP	AH, AC	Rated maximum 4700 pF, minimum 250 V, minimum 125 °C. Marked with an Y2 or Y1.	VDE or ENEC
(Alternate)	WELSON INDUSTRIAL CO LTD	WD, KL	Rated maximum 4700 pF, minimum 250 V, minimum 125 °C. Marked with an Y2 or Y1.	VDE or ENEC
Choke (LF1) (Optional)	Mean Well	LF-251, LF-604, LF-705	Rated minimum 105 °C.	-
Power Switch (SW01)	Rong Feng Industrial Co Ltd	RF-1002B	10A, 250V	ENEC
(Alternate)	Pronic Electronics (Shenzhen) Co Ltd	L16 series	10A, 250V	ENEC
(Alternate)	Pronic Electronics (Shenzhen) Co Ltd	L21 series	10A, 250V	ENEC
(Alternate)	Solteam Electronics Co Ltd	EV-12L	10A, 250V	ENEC
(Alternate)	Chily Precision Industrial Co Ltd	3331	5/10A, 250V	ENEC
(Alternate)	Zhangjiagang Huafeng Electronic Connector & Component Co Ltd	HF-308	12A/10A, 125V/250V	VDE
Choke (T2)	Mean Well	TF-2718	Rated minimum 105 °C.	-
Bridge Capacitor (C31) (Optional)	MURATA MFG CO LTD	KX	Rated maximum 2200 pF, minimum 250 V, minimum 125°C. Marked with Y1.	VDE or ENEC
(Alternate)	WALSIN TECHNOLOGY CORP	AH	Rated maximum 2200 pF, minimum 250 V, minimum 125°C. Marked with Y1.	VDE or ENEC

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternate)	TDK-EPC Corp	CD	Rated maximum 2200 pF, minimum 250 V, minimum 125°C. Marked with Y1.	VDE or ENEC
(Alternate)	WELSON INDUSTRIAL CO LTD	WD	Rated maximum 2200 pF, minimum 250 V, minimum 125°C. Marked with Y1.	VDE or ENEC
Optical Isolator (U2, U3)	COSMO Electronics Corporation	K1010	Reinforced insulation	VDE
(Alternate)	Lite-On Technology Corporation	LTV-817 may be followed by suffix M, S, S-TA, S TA1, S-TP	Reinforced insulation	VDE
(Alternate)	Sharp Corporation Electronic Components and Devices Division	PC123	Reinforced insulation	VDE
Transformer (T1) (for LRS-350-12)	MEAN WELL	TF-2713	Class B	-
Transformer (T1) (for LRS-350-24)	MEAN WELL	TF-2715	Class B	-

☐ 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-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 의문사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 검토 담당자 : 고객지원본부 인증융합평가팀 장 재용 / 02-8601-137 □ If you have any question on product review, please contact the person below : Job holder: Customer Support Division, Certification Convergence Evaluation Team, J.Y. Jang / +82 2 860-1137	

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

FP511-06

접 수 번 호 : 19-074309-01-1
(Receipt No.)



안전확인신고 증명서

Confirmation Letter of Declaration

신 고 번 호 (Application No.) : ZU101076-19002
신 고 회 사 명 (Applicant) : MEAN WELL (Guangzhou) Electronics Co., Ltd. Huadu branch
주 소 (Address) : No.11 Jingu South Road, Huadong Town, Huadu District, Guangzhou, P.R. China
제 품 명 (Product) : 컴퓨터용 전원공급장치(Switching Power Supply)
기 본 모 델 명 (Basic Model) : LRS-350-12
파 생 모 델 명 (Series Model) : LRS-350-24
정격/안전기준상의 모델구분 (Rating) : AC 100-120/200-240 V, 50/60 Hz, 6.8/3.4 A, Class I
(DC output: +12 V, 29 A)
안 전 기 준 (Standard) : K60950-1(2011-12)

본 확인신고는 제 조 국 명 : 중국
제조업자 명 : MEAN WELL (GUANGZHOU) ELECTRONICS CO., LTD HUADU BR
ANCH
제조공장의 주소 : No. 11 Jingu South Road, Huadong Town, Huadu District, Guangzhou 510890, P. R. 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.

2019 년 12 월 11 일
Year month day

한국산업기술시험원
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
Metal Chassis	Interchangeable	Interchangeable	Metal (SGCC or Aluminum), min 0.6 mm thick	-
DC Fan (Airflow inward)	ACT-RX TECHNOLOGY	FD1260-S3012C	Rated 12 Vdc, 0.13 A, 15.22 CFM. Inward Airflow orientation. Secured to the top Chassis by screws.	VDE
(Alternate)	ACT-RX TECHNOLOGY	FD1260-S3112C	Rated 12 Vdc, 0.13 A, 17.02 CFM. Inward Airflow orientation. Secured to the top Chassis by screws.	VDE
(Alternate)	Sunonwealth Electric Machine Industry Co Ltd.	MB60101V1	12 Vdc, 0.12 A, 16 CFM. Inward airflow orientation. Secured to the top Chassis by screws.	VDE
(Alternate)	Sunonwealth Electric Machine Industry Co Ltd.	KDE1206PHV2	12 Vdc, 0.08 A, 18 CFM. Inward airflow orientation. Secured to the top Chassis by screws.	VDE
(Alternate)	Sunonwealth Electric Machine Industry Co Ltd.	KD1206PHB2	12 Vdc, 0.94 A, 18.5 CFM. Inward airflow orientation. Secured to the top Chassis by screws.	VDE
(Alternate)	Minebea Motor Mfg Corp.	2404KL-04WB40	12 Vdc, 0.25 A, 16.2 CFM. Inward airflow orientation. Secured to the top Chassis by screws.	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternate)	Minebea Motor Mfg Corp.	2404KL-04WB50	12 Vdc, 0.25 A, 19 CFM. Inward airflow orientation. Secured to the top Chassis by screws.	VDE
(Alternate)	Minebea Motor Mfg Corp.	2406KL-04WB40	12 Vdc, 0.17 A, 15.9 CFM. Inward airflow orientation. Secured to the top Chassis by screws.	VDE
(Alternate)	Yen Sun Technology Corp.	FD126010LB	12 Vdc, 0.14 A, 17.3 CFM. Inward airflow orientation. Secured to the top Chassis by screws.	VDE
(Alternate)	Yen Sun Technology Corp.	FD126010MB	12 Vdc, 0.17 A, 21 CFM. Inward airflow orientation. Secured to the top Chassis by screws.	VDE
(Alternate)	Yen Sun Technology Corp.	FD126010HB	12 Vdc, 0.24 A, 23.3 CFM. Inward airflow orientation. Secured to the top Chassis by screws.	VDE
(Alternate)	Yen Sun Technology Corp.	FD126015HB	12 Vdc, 0.22 A, 24.1 CFM. Inward airflow orientation. Secured to the top Chassis by screws.	VDE
(Alternate)	Power Logic Technology Inc.	PLA06010B12M	12 Vdc, 0.15 A, 16.81 CFM. Inward airflow orientation. Secured to the top Chassis by screws.	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternate)	Power Logic Technology Inc.	PLA06010B12H	12 Vdc, 0.22 A, 19.11 CFM. Inward airflow orientation. Secured to the top Chassis by screws.	VDE
(Alternate)	Power Logic Technology Inc.	PLA06010B12HH	12 Vdc, 0.22 A, 20.24 CFM. Inward airflow orientation. Secured to the top Chassis by screws.	VDE
(Alternate)	ACT-RX TECHNOLOGY	FD1260-D2142A	12 Vdc, 0.22 A, 16.41 CFM. Inward airflow orientation. Secured to the top Chassis by screws.	VDE
(Alternate)	ACT-RX TECHNOLOGY	FD1260-D1142A	12 Vdc, 0.29 A, 19.6 CFM. Inward airflow orientation. Secured to the top Chassis by screws.	VDE
(Alternate)	ACT-RX TECHNOLOGY	FD1260-D0142A	12 Vdc, 0.37 A, 23.7 CFM. Inward airflow orientation. Secured to the top Chassis by screws.	VDE
(Alternate)	ACT-RX TECHNOLOGY	FD1260-S1112C	12 Vdc, 0.19 A, 18.40 CFM. Inward airflow orientation. Secured to the top Chassis by screws.	VDE
(Alternate)	Delta Electronics Inc.	AFB0612HB	12 Vdc, 0.15 A, 15.36 CFM. Inward airflow orientation. Secured to the top Chassis by screws.	VDE
(Alternate)	Sanyo Denki Co Ltd.	109P0612S701	12 Vdc, 0.15 A, 17.0 CFM. Inward airflow orientation. Secured to the top Chassis by screws.	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternate)	Minebea Motor Mfg Corp.	2406RL-04WS40	12 Vdc, 0.12 A, 17.3 CFM. Inward airflow orientation. Secured to the top Chassis by screws.	VDE
(Alternate)	DOCENG TECHNOLOGY CO LTD	FD126015-SL1	12 Vdc, 0.1 A, 15.54 CFM. Inward airflow orientation. Secured to the top Chassis by screws.	VDE
Terminal block (TB1)	Dinkle Enterprise Co Ltd.	DT-4 series	Rated 300 Vac, 20 A, 115 °C	UL
(Alternate)	CIXI PANS Automatic Control Equipment Fty	PT-49 series	Rated 300 Vac, 25 A, 105 °C.	UL
(Alternate)	Switchlab Inc.	T14 series, T34 series	Rated 300 Vac, 20 A, 120 °C.	UL
(Alternate)	Dinkle Enterprise Co Ltd.	DT-45 series, DT-49 series	Rated 300 Vac, 25 A, 105 °C.	UL
(Alternate)	Switchlab Inc.	T44 series	Rated 300 Vac, 15 A, 120 °C.	UL
(Alternate)	Cixi Pans Automatic Control Equipment Fty	PT-4C-25 SERIES	Rated 25 A, 300 V, 135 °C.	UL
Fuse (FS1)	Conquer Electronics Co., Ltd.	UBM-A	Rated F10 A, 250 Vac	VDE
(Alternate)	Conquer Electronics Co., Ltd.	GBP	Rated F10 A, 250 Vac	VDE
(Alternate)	Walter Electronic Co Ltd	FSC+P	Rated F10 A, 250 Vac	VDE
(Alternate)	Interchangeable	Interchangeable	Rated F10 A, 250 Vac	UL
Varistor (ZNR1) (Optional)	Thinking Electronic Industrial Co., Ltd.	TVR10471, TVR10471-V, TVR10471-D, TVR10471-K, TVR14471, TVR14471-V, TVR14471-D, TVR14471-K	300Vac, 385 Vdc (Body Coating complied with V-0.)	VDE
(Alternate)	Joyin Co., Ltd.	14S471K, 14N471K, 10S471K	300Vac, 385 Vdc (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)	Centra Science Corp.	CNR-14D471K	300Vac, 385 Vdc (Body Coating complied with V-0.)	VDE
Varistor (ZNR5, ZNR6) (Optional)	Thinking Electronic Industrial Co., Ltd.	TVR10241, TVR14241, TVR10241-D, TVR14241-D, TVR10241-V, TVR14241-V, TVR10241-K, TVR14241-K,	Rated 150Vac, 200 Vdc	VDE
(Alternate)	Joyin Co., Ltd.	14S241K, 14N241K, 10S241K	Rated 150Vac, 200 Vdc	VDE
(Alternate)	Centra Science Corp.	CNR-14D241K	Rated 150Vac, 200 Vdc	VDE
X-Capacitor (C1, C2) (Optional)	Kemet Electronics Italia Srl (IEC named: Arcotronics SPA)	R.46	Rated C1: maximum 0.68uF, C2: maximum 0.33uF. Minimum 275 V, minimum 125 °C, marked with X2.	VDE or ENEC
(Alternate)	Kemet Electronics Italia Srl (IEC named: Arcotronics SPA)	R.49	Rated C1: maximum 0.68uF, C2: maximum 0.33uF. Minimum 275 V, minimum 110 °C, marked with X2 or X1.	VDE or ENEC
(Alternate)	EPCOS ELECTRONIC COMPONENTS S A	B3292, B3292#	Rated C1: maximum 0.68uF, C2: maximum 0.33uF. Minimum 275 V, minimum 110 °C, marked with X2.	VDE or ENEC
(Alternate)	Iskra Mis D D	KNB1530	Rated C1: maximum 0.68uF, C2: maximum 0.33uF. Minimum 275 V, minimum 100 °C, marked with X2.	VDE or ENEC
(Alternate)	Iskra Mis D D	KNB1560	Rated C1: maximum 0.68uF, C2: maximum 0.33uF. Minimum 275 V, minimum 110/125 °C, marked with X2.	VDE or ENEC

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternate)	LIOW GU ELECTRONICS INDUSTRY CO LTD	GS-L	Rated C1: maximum 0.68uF, C2: maximum 0.33uF. Minimum 275 V, minimum 110 °C, marked with X2.	VDE or ENEC
(Alternate)	Pilkor Electronics Co Ltd	PCX2 335, PCX2 335M, PCX2 337	Rated C1: maximum 0.68uF, C2: maximum 0.33uF. Minimum 275 V, minimum 110 °C, marked with X2.	VDE or ENEC
(Alternate)	Ultra Tech Xiphi Enterprise Co Ltd	HQX	Rated C1: maximum 0.68uF, C2: maximum 0.33uF. Minimum 275 V, minimum 110 °C, marked with X2.	VDE or ENEC
(Alternate)	Vishay Capacitors Belgium N V	339	Rated C1: maximum 0.68uF, C2: maximum 0.33uF. Minimum 275 V, minimum 110 °C, marked with X2.	VDE or ENEC
(Alternate)	Cheng Tung Industrial Co Ltd	CTX	Rated C1: maximum 0.68uF, C2: maximum 0.33uF. Minimum 275 V, 105/110 °C, marked with X2 or X1.	VDE or ENEC
(Alternate)	Shiny Space Enterprise Co Ltd	SX1	Rated C1: maximum 0.68uF, C2 maximum 0.33uF. Minimum 275 V, minimum 105 °C, marked with X2 or X1.	VDE or ENEC
Y-Capacitor (C3, C4, C22, C23, C30) (Optional)	MURATA MFG CO LTD	KX, KH, KY	Rated maximum 4700 pF, minimum 250 V, minimum 125 °C. Marked with an Y2 or Y1.	VDE or ENEC

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternate)	TDK-EPC Corp	CD, CS	Rated maximum 4700 pF, minimum 250 V, minimum 85 °C. Marked with an Y2 or Y1.	VDE or ENEC
(Alternate)	WALSIN TECHNOLOGY CORP	AH, AC	Rated maximum 4700 pF, minimum 250 V, minimum 125 °C. Marked with an Y2 or Y1.	VDE or ENEC
(Alternate)	WELSON INDUSTRIAL CO LTD	WD, KL	Rated maximum 4700 pF, minimum 250 V, minimum 125 °C. Marked with an Y2 or Y1.	VDE or ENEC
Choke (LF1) (Optional)	Mean Well	LF-251, LF-604, LF-705	Rated minimum 105 °C.	-
Power Switch (SW01)	Rong Feng Industrial Co Ltd	RF-1002B	10A, 250V	ENEC
(Alternate)	Pronic Electronics (Shenzhen) Co Ltd	L16 series	10A, 250V	ENEC
(Alternate)	Pronic Electronics (Shenzhen) Co Ltd	L21 series	10A, 250V	ENEC
(Alternate)	Solteam Electronics Co Ltd	EV-12L	10A, 250V	ENEC
(Alternate)	Chily Precision Industrial Co Ltd	3331	5/10A,250V	ENEC
(Alternate)	Zhangjiagang Huafeng Electronic Connector & Component Co Ltd	HF-308	12A/10A, 125V/250V	VDE
Choke (T2)	Mean Well	TF-2718	Rated minimum 105 °C.	-
Bridge Capacitor (C31) (Optional)	MURATA MFG CO LTD	KX	Rated maximum 2200 pF, minimum 250 V, minimum 125°C. Marked with Y1.	VDE or ENEC
(Alternate)	WALSIN TECHNOLOGY CORP	AH	Rated maximum 2200 pF, minimum 250 V, minimum 125°C. Marked with Y1.	VDE or ENEC

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternate)	TDK-EPC Corp	CD	Rated maximum 2200 pF, minimum 250 V, minimum 125°C. Marked with Y1.	VDE or ENEC
(Alternate)	WELSON INDUSTRIAL CO LTD	WD	Rated maximum 2200 pF, minimum 250 V, minimum 125°C. Marked with Y1.	VDE or ENEC
Optical Isolator (U2, U3)	COSMO Electronics Corporation	K1010	Reinforced insulation	VDE
(Alternate)	Lite-On Technology Corporation	LTV-817 may be followed by suffix M, S, S-TA, S TA1, S-TP	Reinforced insulation	VDE
(Alternate)	Sharp Corporation Electronic Components and Devices Division	PC123	Reinforced insulation	VDE
Transformer (T1) (for LRS-350-12)	MEAN WELL	TF-2713	Class B	-
Transformer (T1) (for LRS-350-24)	MEAN WELL	TF-2715	Class B	-

☐ 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-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 의문사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 검토 담당자 : BK 전략본부 인증관리센터 김 영환 / 02-8601-478 ☐ If you have any question on product review, please contact the person below : Job holder: BK Strategy Division, Certification Management Center, Young-Hwan Kim / +82 2 860-1478	

FP511-05

☐ 첨부 3 : 안전확인신고 내용의 변경 현황
Revisions Status

변경발급 내용 Contents of Certificate Revisions
Not applicable

FP511-06

☐ 첨부 : 제품사진
Photographs



