

접수번호 : 19-074309-01-1
(Receipt No.)



안전확인신고 증명서

Confirmation Letter of Declaration

신고번호 : ZU101076-19002
(Application No.)

신고회사명 : MEAN WELL (Guangzhou) Electronics Co., Ltd. Huadu branch
(Applicant)

주소 : No.11 Jingu South Road, Huadong Town, Huadu District, Guangzhou, P.R. China
(Address)

제품명 : 컴퓨터용 전원공급장치(Switching Power Supply)
(Product)

기본모델명 : LRS-350-12
(Basic Model)

파생모델명 : 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)

안전기준 : K60950-1(2011-12)
(Standard)

본 확인신고는 제조국명 : 중국
 제조업자명 : 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

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	
<p>1. Review Ref. No.: 19-074309-01-2 (2019.12.11)</p> <p>2. Product Description:</p> <ul style="list-style-type: none"> - Measured Power Consumption: 404 W - Insulation Class: Class I - Protection against Ingress of water: IPX0 - Mass of Equipment: 722 g 	
<p><input type="checkbox"/> 본 제품의 검토내용에 관하여 의문사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 검토 담당자 : BK 전략본부 인증관리센터 김 영환 / 02-8601-478</p> <p><input type="checkbox"/> <i>If you have any question on product review, please contact the person below :</i> Job holder: BK Strategy Division, Certification Management Center, Young-Hwan Kim / +82 2 860-1478</p>	

FP511-05

첨부 3 : 안전확인신고 내용의 변경 현황
Revisions Status

변경발급 내용 Contents of Certificate Revisions
Not applicable

FP511-06

첨부 : 제품사진
Photographs



