

CERTIFICATE

Issued to:
Applicant:
Eaglerise Electric & Electronic (China) Co., Ltd.
NO. A3, Guicheng Sci-Tech Industrial Park,
Jianping Road, Nanhai District,
528200 Foshan City, Guangdong Province, China

Licensee:
Eaglerise Electric & Electronic (China) Co., Ltd.
Beijiao Branch
No.4, East Huanzhen Road,
Beijiao Shunde,
528000 Foshan, Guangdong, China

Product : LED Power Supply (LED driver)
Trade name(s) : EAGLERISE
Type(s)/model(s) : LS-12-280 LI1, LS-12-290 LI1, LS-12-350 SI3-2, LS-12-500 SI3-2,
LS-12-bbb SI3, LS-12-bbb SI3-1, LS-12-fff LI1, LS-16-390 LI1,
LS-16-700 LI1-GL, LS-16-ggg LI1, LS-20-iii LI2, LS-20-yyy LI1, LS-21-zzz SI1,
LS-3-xxx SI, LS-30-630 LI3, LS-30-ddd RI, LS-30-hhh LI3, LS-40-600 LI2-YX,
LS-40-630 LI2, LS-40-700 LI2-YM, LS-40-cccc LI3, LS-40-jjjj LI2, LS-6-120 SI,
LS-6-xxx SI, LS-8-120 LI, LS-8-180 LI, LS-8-350 SI1-2, LS-8-aaa SI1,
LS-8-aaa SI1-1 and LS-8-eee LI

The product and any acceptable variation thereto is specified in the Annex to this certificate and the documents therein referred to.

DEKRA hereby declares that the above-mentioned product has been certified on the basis of:

- a type test according to the standard EN 61347-1:2015, EN 61347-2-13:2014, EN 61347-2-13:2014/A1:2017, EN 62384:2006 and EN 62384:2006/A1:2009
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 2178893

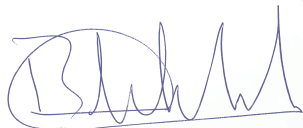
DEKRA hereby grants the right to use the ENEC certification mark.

The ENEC certification mark may be applied to the product as specified in this certificate for the duration of the ENEC certification agreement and under the conditions of the ENEC certification agreement.

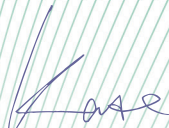
This certificate is issued on 13 April 2020 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 35-113360

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



K Xu
Certification Manager

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SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	: LED Power Supply (LED driver)
Trade name(s)	: EAGLERISE
Type(s)/model(s)	: LS-12-280 LI1, LS-12-290 LI1, LS-12-350 SI3-2, LS-12-500 SI3-2, LS-12-bbb SI3, LS-12-bbb SI3-1, LS-12-fff LI1, LS-16-390 LI1, LS-16-700 LI1-GL, LS-16-ggg LI1, LS-20-iii LI2, LS-20-yyy LI1, LS-21-zzz SI1, LS-3-xxx SI, LS-30-630 LI3, LS-30-ddd RI, LS-30-hhh LI3, LS-40-600 LI2-YX, LS-40-630 LI2, LS-40-700 LI2-YM, LS-40-cccc LI3, LS-40-jjjj LI2, LS-6-120 SI, LS-6-xxx SI, LS-8-120 LI, LS-8-180 LI, LS-8-350 SI1-2, LS-8-aaa SI1, LS-8-aaa SI1-1 and LS-8-eee LI
Rated voltage	: 220-240 V
Rated wattage	: see annex
Rated current	: see annex
Nature of supply	: ac
Rated frequency	: 50/60 Hz
Class of insulation	: Class II
Degree of protection	: IP20

TESTS**Test requirements**

EN 61347-1:2015
EN 61347-2-13:2014
EN 61347-2-13:2014/A1:2017
EN 62384:2006
EN 62384:2006/A1:2009

Test result

The test results are laid down in DEKRA test file 436284900.

Additional information

This certificate replaces certificate No. 35-111720, 35-110210, 35-106419, 35-106312, 35-106315, 35-106431, 35-106335, 35-105487 , 35-107052 which we herewith declare invalid.
This certificate is based on ITS ENEC certificates LS-40-cccc LI3 :SE/19019-3, LS-30-hhh LI3 :SE/19019-4, LS-21-zzz SI1 :SE/19019-6.

The list of components is laid down at test report 4362849.50 & 4362849.52.

Conclusion

The examination proved that all requirements were met.

Factory locations

Eaglerise Electric & Electronic (China) Co., Ltd. Beijiao Branch
No.4, East Huanzhen Road,
Beijiao Shunde,
528000 Foshan, Guangdong, China

EAGLERISE ELECTRIC & ELECTRONIC (JI AN) CO., LTD
West Zone, Ji an County Industrial Park, Ji an County,
343100 Jiangxi Province, China

Trade name(s) : EAGLERISE stands for



LS-3-xxx SI, LS-6-120 SI, LS-6-xxx SI, LS-8-aaa SI1,
 LS-12-bbb SI3, LS-8-aaa SI1-1, LS-12-bbb SI3-1,
 LS-8-350 SI1-2, LS-12-350 SI3-2, LS-12-500 SI3-2,
 LS-20-yyy LI1, LS-21-zzz SI1, LS-40-cccc LI3,
 LS-30-ddd RI

Note: The "xxx" indicate the output current of LED driver; can be replaced by "150" to "700" and increasing in multiplies of 50, "150" means 150 mA; "700" means 700 mA.

The "aaa", "bbb" indicate the output current of LED driver. "aaa" can be replaced by 120, 150, 180, 200, 250, 300, 350, 400, 450, 500, 700. "bbb" can be replaced by 250, 300, 350, 400, 450, 500. "120" means 120 mA; "700" means 700 mA.

The "yyy" indicate the output current of LED driver; can be replaced by "300" to "700" and increasing in multiplies of 50, "300" means 300 mA; "700" means 700 mA.

The "zzz" indicate the output current of LED driver; can be replaced by "300" to "700" and increasing in multiplies of 50, "300" means 300 mA; "700" means 700 mA.

The "cccc" indicate the output current of LED driver; can be replaced by "350" to "1200" and increasing in multiplies of 50, "350" means 350 mA; "1200" means 1200 mA.

The "ddd" indicate the output current of LED driver; can be replaced by "300" to "900" and increasing in multiplies of 50, "300" means 300 mA; "900" means 900 mA.

LS-8-eee LI, LS-8-120 LI, LS-8-180 LI, LS-12-fff LI1,
 LS-12-280 LI1, LS-12-290 LI1, LS-16-ggg LI1, LS-16-390 LI1,
 LS-30-hhh LI3, LS-30-630 LI3, LS-20-iii LI2, LS-16-700 LI1-GL,
 LS-40-jjjj LI2, LS-40-600 LI2-YX, LS-40-630 LI2,
 LS-40-700 LI2-YM

Note: The "eee" indicate the output current of LED driver and can be replaced by "150" to "400" and increasing in multiplies of 50, "150" means 150 mA; "400" means 400 mA.

The "fff" indicate the output current of LED driver and can be replaced by "250" to "500" and increasing in multiplies of 50, "250" means 250 mA; "500" means 500 mA.

The "ggg" indicate the output current of LED driver and can be replaced by "300" to "700" and increasing in multiplies of 50, "300" means 300 mA; "700" means 700 mA.

The "hhh" indicate the output current of LED driver and can be replaced by "300" to "900" and increasing in multiplies of 50, "300" means 300 mA; "900" means 900 mA.

The "iii" indicate the output current of LED driver and can be replaced by "300" to "700" and increasing in multiplies of 50, "300" means 300 mA; "700" means 700 mA.

The "jjjj" indicate the output current of LED driver and can be replaced by "500" to "1050" and increasing in multiplies of 50, "500" means 500 mA; "1050" means 1050 mA.

Detailed Model List

Series 1: LS-3-xxx SI, LS-6-120 SI, LS-6-xxx SI

No.	Model number	Input			Output				ta (°C)	tc (°C)
		Voltage (VAC)	Max. Current (A)	Frequency (Hz)	Constant current (mA)	Normal working voltage (VDC)	No load working voltage (VDC)	Max. Power (W)		
1	LS-3-150 SI	220-240	0,07	50/60	150	4-12	24	1,8	50	75
2	LS-3-200 SI	220-240	0,07	50/60	200	4-12	24	2,4	50	75
3	LS-3-250 SI	220-240	0,07	50/60	250	4-12	24	3	50	75
4	LS-3-300 SI	220-240	0,07	50/60	300	2,5-12	24	3,6	50	75
5	LS-3-350 SI	220-240	0,07	50/60	350	2,5-12	24	4,2	50	75
6	LS-3-400 SI	220-240	0,07	50/60	400	2,5-8	16	3,2	50	75
7	LS-3-450 SI	220-240	0,07	50/60	450	2,5-8	16	3,6	50	75
8	LS-3-500 SI	220-240	0,07	50/60	500	2,5-8	16	4	50	75
9	LS-3-550 SI	220-240	0,07	50/60	550	2,5-6	16	3,3	50	75
10	LS-3-600 SI	220-240	0,07	50/60	600	2,5-6	16	3,6	50	75
11	LS-3-650 SI	220-240	0,07	50/60	650	2,5-4,5	10	2,9	50	75
12	LS-3-700 SI	220-240	0,07	50/60	700	2,5-4,5	10	3,2	50	75
13	LS-6-120 SI	220-240	0,11	50/60	120	8,5-40	59	4,8	50	80
14	LS-6-150 SI	220-240	0,11	50/60	150	8,5-40	59	6	50	80
15	LS-6-200 SI	220-240	0,11	50/60	200	7,5-30	45	6	50	80
16	LS-6-250 SI	220-240	0,11	50/60	250	5-24	35	6	50	80
17	LS-6-300 SI	220-240	0,11	50/60	300	5-20	34	6	50	80
18	LS-6-350 SI	220-240	0,11	50/60	350	5-18	25	6,3	50	80
19	LS-6-400 SI	220-240	0,11	50/60	400	5-15	25	6	50	80
20	LS-6-450 SI	220-240	0,11	50/60	450	5-13,5	24	6,1	50	80
21	LS-6-500 SI	220-240	0,11	50/60	500	2,8-12	23	6	50	80
22	LS-6-550 SI	220-240	0,11	50/60	550	2,8-11	22	6,1	50	80
23	LS-6-600 SI	220-240	0,11	50/60	600	2,5-10	25	6	50	80
24	LS-6-650 SI	220-240	0,11	50/60	650	2,5-9,5	25	6,2	50	80
25	LS-6-700 SI	220-240	0,11	50/60	700	2,5-9	25	6,3	50	80

Note: PF: 0,5C was measured at full load for each model.

Series 2: LS-8-aaa SI1, LS-12-bbb SI3, LS-8-aaa SI1-1, LS-12-bbb SI3-1, LS-8-350 SI1-2, LS-12-350 SI3-2, LS-12-500 SI3-2:

NO.	Model number	Input			Output			Max. Prated (W)	ta (°C)	tc (°C)	Remark
		Voltage (VAC)	Max. Current (A)	Frequency (Hz)	Constant current (mA)	Normal working voltage (VDC)	No load working voltage (VDC)				
1	LS-8-120 SI1	220-240	0.08	50/60	120	30-42	50	5.1	45°C	75°C	All models except LS-12-350 SI3 have the same circuit diagram and PCB layout, the differences among them are the parameter and type for the components used. Model LS-12-350 SI3 has same circuit diagram but different PCB layout as other models.
2	LS-8-150 SI1	220-240	0.09	50/60	150	30-42	50	6.3	45°C	75°C	
3	LS-8-180 SI1	220-240	0.11	50/60	180	30-42	50	7.6	45°C	75°C	
4	LS-8-200 SI1	220-240	0.12	50/60	200	30-42	50	8.4	45°C	75°C	
5	LS-8-250 SI1	220-240	0.1	50/60	250	16-26	35	6.5	45°C	75°C	
6	LS-8-300 SI1	220-240	0.1	50/60	300	14-24	34	7.2	45°C	75°C	
7	LS-8-350 SI1	220-240	0.12	50/60	350	14-24	34	8.4	45°C	75°C	
8	LS-8-400 SI1	220-240	0.12	50/60	400	10-20	28	8	45°C	75°C	
9	LS-8-450 SI1	220-240	0.12	50/60	450	10-18	28	8.1	45°C	75°C	
10	LS-8-500 SI1	220-240	0.12	50/60	500	8-16	25	8	45°C	75°C	
11	LS-8-700 SI1	220-240	0.13	50/60	700	7-12	22	8.4	45°C	75°C	
12	LS-12-250 SI3	220-240	0.15	50/60	250	30-42	50	10.5	45°C	75°C	
13	LS-12-300 SI3	220-240	0.18	50/60	300	30-42	50	12.6	45°C	75°C	
14	LS-12-350 SI3	220-240	0.2	50/60	350	30-40	50	14	45°C	75°C	
15	LS-12-400 SI3	220-240	0.18	50/60	400	20-30	40	12	45°C	75°C	
16	LS-12-450 SI3	220-240	0.18	50/60	450	16-26	35	11.7	45°C	75°C	
17	LS-12-500 SI3	220-240	0.19	50/60	500	16-26	35	13	45°C	75°C	
18	LS-8-120 SI1-1	220-240	0.08	50/60	120	30-42	50	5.1	45°C	75°C	All models except LS-12-350 SI3-1, LS-12-350 SI3-2 have the same circuit diagram and PCB layout, the differences among them are the parameter and type for the components used. Model LS-12-350 SI3-1, LS-12-350 SI3-2 have same circuit diagram but different PCB layout as other models.
19	LS-8-150 SI1-1	220-240	0.09	50/60	150	30-42	50	6.3	45°C	75°C	
20	LS-8-180 SI1-1	220-240	0.11	50/60	180	30-42	50	7.6	45°C	75°C	
21	LS-8-200 SI1-1	220-240	0.12	50/60	200	30-42	50	8.4	45°C	75°C	
22	LS-8-250 SI1-1	220-240	0.1	50/60	250	16-26	35	6.5	45°C	75°C	
23	LS-8-300 SI1-1	220-240	0.1	50/60	300	14-24	34	7.2	45°C	75°C	
24	LS-8-350 SI1-1	220-240	0.12	50/60	350	14-24	34	8.4	45°C	75°C	
25	LS-8-350 SI1-2	220-240	0.12	50/60	350	11-24	34	8.4	45°C	75°C	
26	LS-8-400 SI1-1	220-240	0.12	50/60	400	10-20	28	8	45°C	75°C	
27	LS-8-450 SI1-1	220-240	0.12	50/60	450	10-18	28	8.1	45°C	75°C	
28	LS-8-500 SI1-1	220-240	0.12	50/60	500	8-16	25	8	45°C	75°C	
29	LS-8-700 SI1-1	220-240	0.13	50/60	700	7-12	22	8.4	45°C	75°C	
30	LS-12-250 SI3-1	220-240	0.15	50/60	250	30-42	50	10.5	45°C	75°C	
31	LS-12-300 SI3-1	220-240	0.18	50/60	300	30-42	50	12.6	45°C	75°C	
32	LS-12-350 SI3-1	220-240	0.2	50/60	350	30-40	50	14	45°C	75°C	
33	LS-12-350 SI3-2	220-240	0.2	50/60	350	22-40	50	14	45°C	75°C	
34	LS-12-400 SI3-1	220-240	0.18	50/60	400	20-30	40	12	45°C	75°C	
35	LS-12-450 SI3-1	220-240	0.18	50/60	450	16-26	35	11.7	45°C	75°C	
36	LS-12-500 SI3-1	220-240	0.19	50/60	500	16-26	35	13	45°C	75°C	
37	LS-12-500 SI3-2	220-240	0.19	50/60	500	14-26	35	13	45°C	75°C	

Remark: All models have same circuit diagram. The main differences among them are the PCB layout, output parameters and the components used in circuit.

Note: PF: 0,5C was measured at full load for each model.

Series 3: LS-20-yyy LI1

No.	Model number	Input			Output				ta (°C)	tc (°C)
		Voltage (VAC)	Max. Current (A)	Frequenc y (Hz)	Constant current (mA)	Normal working voltage (VDC)	No load working voltage (VDC)	Max. Power (W)		
1	LS-20-300 LI1	220-240	0,16	50/60	300	30-50	60	15	45	80
2	LS-20-350 LI1	220-240	0,16	50/60	350	30-50	60	17,5	45	80
3	LS-20-400 LI1	220-240	0,16	50/60	400	30-50	60	20	45	80
4	LS-20-450 LI1	220-240	0,16	50/60	450	28-46,5	57	21	45	80
5	LS-20-500 LI1	220-240	0,16	50/60	500	25-42	50	21	45	80
6	LS-20-550 LI1	220-240	0,16	50/60	550	23-38	50	21	45	80
7	LS-20-600 LI1	220-240	0,16	50/60	600	21-35	45	21	45	80
8	LS-20-650 LI1	220-240	0,16	50/60	650	19,5-32	42	21	45	80
9	LS-20-700 LI1	220-240	0,16	50/60	700	18-30	40	21	45	80

Note: PF: 0,9C was measured at full load for each model.

Series 4: LS-21-zzz SI1

No.	Model number	Input			Output				ta	tc
		Voltage (VAC)	Max. Current (A)	Frequency (Hz)	Constant current (mA)	Normal working voltage (VDC)	No load working voltage (VDC)	Max. Power (W)		
1	LS-21-300 SI1	220-240	0,3	50/60	300	42-70	80	21	45°C	80°C
2	LS-21-350 SI1	220-240	0,3	50/60	350	36-60	70	21	45°C	80°C
3	LS-21-400 SI1	220-240	0,3	50/60	400	30-50	60	20	45°C	80°C
4	LS-21-450 SI1	220-240	0,3	50/60	450	28-46,5	57	21	45°C	80°C
5	LS-21-500 SI1	220-240	0,3	50/60	500	25-42	50	21	45°C	80°C
6	LS-21-550 SI1	220-240	0,3	50/60	550	23-38	50	21	45°C	80°C
7	LS-21-600 SI1	220-240	0,3	50/60	600	21-35	45	21	45°C	80°C
8	LS-21-650 SI1	220-240	0,3	50/60	650	19,5-32	42	21	45°C	80°C
9	LS-21-700 SI1	220-240	0,3	50/60	700	18-30	40	21	45°C	80°C

Note: PF: 0,6C was measured at full load for each model.

Series 5: LS-40-cccc LI3

NO.	Model number	Input			Output			Max. Prated (W)	ta (°C)	tc (°C)
		Voltage (V AC)	Max. Current (A)	Frequency (Hz)	Constant current (mA)	Normal working voltage (VDC)	No load working voltage (VDC)			
1	LS-40-350 LI3	220-240	0.32	50/60	350	69-112	120	39.2	45	85
2	LS-40-400 LI3	220-240	0.32	50/60	400	60-100	110	40	45	85
3	LS-40-450 LI3	220-240	0.32	50/60	450	54-90	100	40.5	45	85
4	LS-40-500 LI3	220-240	0.32	50/60	500	48-80	90	40	45	85
5	LS-40-550 LI3	220-240	0.32	50/60	550	43.5-73	83	40.2	45	85
6	LS-40-600 LI3	220-240	0.32	50/60	600	40-67	77	40.2	45	85
7	LS-40-650 LI3	220-240	0.32	50/60	650	37-62	72	40.3	45	85
8	LS-40-700 LI3	220-240	0.32	50/60	700	34.5-57.5	67	40.3	45	85
9	LS-40-750 LI3	220-240	0.32	50/60	750	32-53.5	63	40.1	45	85
10	LS-40-800 LI3	220-240	0.32	50/60	800	30-50	60	40	45	85
11	LS-40-850 LI3	220-240	0.32	50/60	850	28-47	57	40	45	85
12	LS-40-900 LI3	220-240	0.32	50/60	900	26.5-44.5	54	40.1	45	85
13	LS-40-950 LI3	220-240	0.32	50/60	950	25.5-42.5	52	40.4	45	85
14	LS-40-1000 LI3	220-240	0.32	50/60	1000	24-40	50	40	45	85
15	LS-40-1050 LI3	220-240	0.32	50/60	1050	23-40	50	42	45	85
16	LS-40-1100 LI3	220-240	0.32	50/60	1100	21.5-36.5	46	40.2	45	85
17	LS-40-1150 LI3	220-240	0.32	50/60	1150	21-35	45	40.3	45	85
18	LS-40-1200 LI3	220-240	0.32	50/60	1200	20-33.5	43	40.2	45	85

Note: PF>0,95 was measured at full load for each model.

Series 6: LS-30-ddd RI

No.	Model number	Input			Output				ta	tc
		Voltage (VAC)	Max. Current (A)	Frequency (Hz)	Constant current (mA)	Normal working voltage (VDC)	No load working voltage (VDC)	Max. Power (W)		
1	LS-30-300 RI	220-240	0.24	50/60	300	67-100	115	30	45°C	85°C
2	LS-30-350 RI	220-240	0.24	50/60	350	51.5-86	96	30.1	45°C	85°C
3	LS-30-400 RI	220-240	0.24	50/60	400	45-75	85	30	45°C	85°C
4	LS-30-450 RI	220-240	0.24	50/60	450	40-67	77	30.2	45°C	85°C
5	LS-30-500 RI	220-240	0.24	50/60	500	36-60	70	30	45°C	85°C
6	LS-30-550 RI	220-240	0.24	50/60	550	32-54	64	29.7	45°C	85°C
7	LS-30-600 RI	220-240	0.24	50/60	600	30-50	60	30	45°C	85°C
8	LS-30-650 RI	220-240	0.24	50/60	650	27.5-46	56	29.9	45°C	85°C
9	LS-30-700 RI	220-240	0.24	50/60	700	25-43	50	30.1	45°C	85°C
10	LS-30-750 RI	220-240	0.24	50/60	750	24-40	50	30	45°C	85°C
11	LS-30-800 RI	220-240	0.24	50/60	800	22.5-38	48	30.4	45°C	85°C
12	LS-30-850 RI	220-240	0.24	50/60	850	21-35	45	29.8	45°C	85°C
13	LS-30-900 RI	220-240	0.24	50/60	900	19.5-34	43	30.6	45°C	85°C

Note: PF>0,95 was measured at full load for each model.

Series 7: LS-8-eee LI, LS-8-120 LI, LS-8-180 LI

No.	Model number	Input			Output				ta	tc
		Voltage (VAC)	Max. Current (A)	Frequency (Hz)	Constant current (mA)	Normal working voltage (VDC)	No load working voltage (VDC)	Max. Power (W)		
1	LS-8-120 LI	220-240	0.06	50/60	120	27-54	63	6.5	45°C	75°C
2	LS-8-150 LI	220-240	0.06	50/60	150	27-53	63	8	45°C	75°C
3	LS-8-180 LI	220-240	0.06	50/60	180	22-42	50	7.6	45°C	75°C
4	LS-8-200 LI	220-240	0.06	50/60	200	22-42	50	8.4	45°C	75°C
5	LS-8-250 LI	220-240	0.06	50/60	250	16-32	42	8	45°C	75°C
6	LS-8-300 LI	220-240	0.06	50/60	300	14-27	35	8.1	45°C	75°C
7	LS-8-350 LI	220-240	0.06	50/60	350	12-24	32	8.4	45°C	75°C
8	LS-8-400 LI	220-240	0.06	50/60	400	10-20	28	8	45°C	75°C

Note: PF: 0,9C was measured at full load for each model.

Series 8: LS-12-fff LI1, LS-12-280 LI1, LS-12-290 LI1:

No.	Model number	Input			Output				ta	tc
		Voltage (VAC)	Max. Current (A)	Frequency (Hz)	Constant current (mA)	Normal working voltage (VDC)	No load working voltage (VDC)	Max. Power (W)		
1	LS-12-250 LI1	220-240	0.09	50/60	250	24-42	50	10.5	45°C	75°C
2	LS-12-280 LI1	220-240	0.09	50/60	280	24-42	50	11.8	45°C	75°C
3	LS-12-290 LI1	220-240	0.09	50/60	290	24-42	50	12,2	45°C	75°C
4	LS-12-300 LI1	220-240	0.09	50/60	300	24-42	50	12.6	45°C	75°C
5	LS-12-350 LI1	220-240	0.09	50/60	350	18-35	45	12.3	45°C	75°C
6	LS-12-400 LI1	220-240	0.09	50/60	400	18-30	40	12	45°C	75°C
7	LS-12-450 LI1	220-240	0.09	50/60	450	13-27	37	12.2	45°C	75°C
8	LS-12-500 LI1	220-240	0.09	50/60	500	14.5-24	34	12	45°C	75°C

Note: PF: 0,9C was measured at full load for each model.

Series 9: LS-16-ggg LI1, LS-16-390 LI1

No.	Model number	Input			Output				ta	tc
		Voltage (VAC)	Max. Current (A)	Frequency (Hz)	Constant current (mA)	Normal working voltage (VDC)	No load working voltage (VDC)	Max. Power (W)		
1	LS-16-300 LI1	220-240	0.12	50/60	300	20-46	56	13.8	45°C	80°C
2	LS-16-350 LI1	220-240	0.12	50/60	350	20-46	56	16.1	45°C	80°C
3	LS-16-390 LI1	220-240	0.12	50/60	390	24-42	50	16.4	45°C	80°C
4	LS-16-400 LI1	220-240	0.12	50/60	400	24-42	50	16.8	45°C	80°C
5	LS-16-450 LI1	220-240	0.12	50/60	450	21.5-36	46	16.2	45°C	80°C
6	LS-16-500 LI1	220-240	0.12	50/60	500	19-32	42	16	45°C	80°C
7	LS-16-550 LI1	220-240	0.12	50/60	550	18-30	40	16.5	45°C	80°C
8	LS-16-600 LI1	220-240	0.12	50/60	600	16-27	37	16.2	45°C	80°C
9	LS-16-650 LI1	220-240	0.12	50/60	650	15-25	35	16.3	45°C	80°C
10	LS-16-700 LI1	220-240	0.12	50/60	700	14-23	33	16.1	45°C	80°C

Note: PF: 0,9C was measured at full load for each model.

Series 10: LS-30-hhh LI3, LS-30-630 LI3

NO.	Model number	Input			Output			Max. Prated (W)	ta	tc
		Voltage	Max.Current	Frequency	Constant	Normal working	No load working			
		(VAC)	(A)	(Hz)	current (mA)	voltage (VDC)	voltage (VDC)			
1	LS-30-300 LI3	220-240	0.24	50/60	300	67-100	115	30	45°C	85°C
2	LS-30-350 LI3	220-240	0.24	50/60	350	51.5-86	96	30.1	45°C	85°C
3	LS-30-400 LI3	220-240	0.24	50/60	400	45-75	85	30	45°C	85°C
4	LS-30-450 LI3	220-240	0.24	50/60	450	40-67	77	30.2	45°C	85°C
5	LS-30-500 LI3	220-240	0.24	50/60	500	36-60	70	30	45°C	85°C
6	LS-30-550 LI3	220-240	0.24	50/60	550	30-54	63	29.7	45°C	85°C
7	LS-30-600 LI3	220-240	0.24	50/60	600	30-50	60	30	45°C	85°C
8	LS-30-630 LI3	220-240	0.24	50/60	630	27.5-46	56	29	45°C	85°C
9	LS-30-650 LI3	220-240	0.24	50/60	650	27.5-46	56	29.9	45°C	85°C
10	LS-30-700 LI3	220-240	0.24	50/60	700	25-43	53	30.1	45°C	85°C
11	LS-30-750 LI3	220-240	0.24	50/60	750	25-42	50	31.5	45°C	85°C
12	LS-30-800 LI3	220-240	0.24	50/60	800	22.5-38	48	30.4	45°C	85°C
13	LS-30-850 LI3	220-240	0.24	50/60	850	21-35.5	45	30.2	45°C	85°C
14	LS-30-900 LI3	220-240	0.24	50/60	900	19.5-35	45	31.5	45°C	85°C

Note: PF>0,95 was measured at full load for each model.

Series 11: LS-20-iii LI2, LS-16-700 LI1-GL

No.	Model number	Input			Output				ta	tc
		Voltage (VAC)	Max. Current (A)	Frequency (Hz)	Constant current (mA)	Normal working voltage (VDC)	No load working voltage (VDC)	Max. Power (W)		
1	LS-20-300 LI2	220-240	0.15	50/60	300	48-70	80	21	45°C	75°C
2	LS-20-350 LI2	220-240	0.15	50/60	350	40-60	70	21	45°C	75°C
3	LS-20-400 LI2	220-240	0.12	50/60	400	30-45	55	18	45°C	75°C
4	LS-20-450 LI2	220-240	0.14	50/60	450	30-45	55	20.3	45°C	75°C
5	LS-20-500 LI2	220-240	0.15	50/60	500	28-42	50	21	45°C	75°C
6	LS-20-550 LI2	220-240	0.16	50/60	550	28-42	50	23.1	45°C	75°C
7	LS-20-600 LI2	220-240	0.15	50/60	600	24-35	45	21	45°C	75°C
8	LS-16-700 LI1-GL	220-240	0.11	50/60	700	14-23	34	16.1	45°C	75°C
9	LS-20-700 LI2	220-240	0.15	50/60	700	20-30	40	21	45°C	75°C

Note: PF: 0,9C was measured at full load for each model.

Series 12: LS-40-jjjj LI2, LS-40-600 LI2-YX, LS-40-630 LI2, LS-40-700 LI2-YM

No.	Model number	Input			Output				ta	tc
		Voltage (VAC)	Max. Current (A)	Frequency (Hz)	Constant current (mA)	Normal working voltage (VDC)	No load working voltage (VDC)	Max. Power (W)		
1	LS-40-500 LI2	220-240	0.27	50/60	500	48-80	90	40	45°C	85°C
2	LS-40-550 LI2	220-240	0.16	50/60	550	30-42	50	23.1	45°C	85°C
3	LS-40-600 LI2	220-240	0.17	50/60	600	30-42	50	25.2	45°C	85°C
4	LS-40-600 LI2-YX	220-240	0.29	50/60	600	43-67	77	40.2	45°C	85°C
5	LS-40-630 LI2	220-240	0.18	50/60	630	30-42	50	26.5	45°C	85°C
6	LS-40-650 LI2	220-240	0.19	50/60	650	30-42	50	27.3	45°C	85°C
7	LS-40-700 LI2	220-240	0.2	50/60	700	30-42	50	29.4	45°C	85°C
8	LS-40-700 LI2-YM	220-240	0.29	50/60	700	43-57.5	67	40.3	45°C	85°C
9	LS-40-750 LI2	220-240	0.22	50/60	750	30-42	50	31.5	45°C	85°C
10	LS-40-800 LI2	220-240	0.23	50/60	800	30-42	50	33.6	45°C	85°C
11	LS-40-850 LI2	220-240	0.25	50/60	850	30-42	50	35.7	45°C	85°C
12	LS-40-900 LI2	220-240	0.26	50/60	900	30-42	50	37.8	45°C	85°C
13	LS-40-950 LI2	220-240	0.27	50/60	950	30-42	50	39.9	45°C	85°C
14	LS-40-1000 LI2	220-240	0.27	50/60	1000	30-40	50	40	45°C	85°C
15	LS-40-1050 LI2	220-240	0.29	50/60	1050	30-40	52	42	45°C	85°C

Note: PF>0,95 was measured at full load for each model.