Certificate of Conformity

NO.: ENS2205310157S00101C

The following product has been tested by us with the listed standards and found in conformity with the council MDR directive 2017/745/EU. It is possible to use CE marking to demonstrate the conformity with this MDR Directive.

Applicant	:	MORNSUN GUANGZHOU SCIENCE & TECHNOLOGY CO., LTD.
Address	:	No.8, Nanyun Road 4, Huangpu District, Guangzhou, Guangdong, 510670, P.R.China.
Manufacturer	:	Same as Applicant
Address	:	Same as Applicant
Trade Mark	:	MORNSUN®
EUT	:	AC-DC Converter
M/N	:	See the appendix 1
Technical Data	:	Input: see appendix 1 Output: see appendix 1
Test Standards	:	EN 60601-1:2006/A12:2014.
Version	:	Ver.1.0

EMTEK (SHENZHEN) CO., LTD. CERTIFICATE

William Guo

(Manager)

August 09, 2022

The certificate is based on a single evaluation of one sample of above-mentioned products, It does not imply an assessment of the whole production and does not permit the use of the test lab. logo .

EMTEK (Shenzhen) Co., Ltd.
Add: Building 69, Majialong Industry Zone, Nanshan District, Shenzhen, Guangdong, China Http://www.emtek.com.cn E-mail: cs.rep@emtek.com.cn

Appendix 1

Model List

Model(s)	Output voltage	Max. output current (A)	Max. output power (W)	Transformer (T400) type
LMF600-20B12, LMF600-20B12-YYY	12	50	600	51500156 (A/0-A/9, B/0-B/9)
LMF600-20B15, LMF600-20B15-YYY	15	40	600	51500057 (A/0-A/9, B/0-B/9)
LMF600-20B24, LMF600-20B24-YYY	24	25	600	51500819 (A/0-A/9, B/0-B/9)
LMF600-20B27, LMF600-20B27-YYY	27	22.3	602.1	51500058 (A/0-A/9, B/0-B/9)
LMF600-20B36, LMF600-20B36-YYY	36	16.7	601.2	51500142 (A/0-A/9, B/0-B/9)
LMF600-20B48, LMF600-20B48-YYY	48	12.6	604.8	51500059 (A/0-A/9, B/0-B/9)
LMF600-20BXXX, LMF600-20BXXX-YYY	11.8-12.6	0-50	600	51500156 (A/0-A/9, B/0-B/9)
	14.7-15.8	0-40	600	51500057 (A/0-A/9, B/0-B/9)
	23.5-25.2	0-25	600	51500819 (A/0-A/9, B/0-B/9)
	26.4-28.4	0-22.3	602.1	51500058 (A/0-A/9, B/0-B/9)
	35.3-37.8	0-16.7	601.2	51500142 (A/0-A/9, B/0-B/9)
	47.0-50.4	0-12.6	604.8	51500059 (A/0-A/9, B/0-B/9)

Remark:

1. LMF600-20BXX, LMF600-20BXX-YYY, LMF600-20BXXX, LMF600-20BXXX-YYY (For definition of variables XX, XXX and YYY, see below for detail.)

Variable	Rang of variable	Content:
XX	12, 15, 24, 27, 36, 48	2 digits number, means output voltage 12Vdc, 15Vdc, 24Vdc, 27Vdc, 36Vdc, 48Vdc.
XXX	118-126, 147-158, 235-252, 264-284, 353-378, 470-504	3 digits number, indicate output voltage range is 11.8-12.6Vdc, 14.7-15.8Vdc, 23.5-25.2Vdc, 26.4-28.4Vdc, 35.3-37.8Vdc, 47.0-50.4Vdc and in step of 0.1V. Eg: 118=11.8Vdc, 504=50.4Vdc.
YYY	Y=A-Z any letter or 0-9 any number or blank	YYY stands for 1-3 letters or digits or blank, indicate different sales purposes.

2. The step of the output current is 0.01A.

The certificate is based on a single evaluation of one sample of above-mentioned products, It does not imply an assessment of the whole production and does not permit the use of the test lab. logo .

Certificate of Conformity

NO.: ENS2204280012S00301C

The following product has been tested by us with the listed standards and found in conformity with the council LVD directive 2014/35/EU. This is to certify that the specimen is in conformity with the assessment requirement mentioned follow. This certificate does not imply assessment to the production of the product.

Applicant	:	MORNSUN Guangzhou Science & Technology Co.,Ltd
Address	:	No.8, Nanyun Road 4, Huangpu District, Guangzhou, Guangdong, 510670, China.
Manufacturer	:	MORNSUN Guangzhou Science & Technology Co.,Ltd
Address	:	No.8, Nanyun Road 4, Huangpu District, Guangzhou, Guangdong, 510670, China.
Trade Mark	:	MORNSUN®
EUT	:	AC-DC Converter
M/N	:	Refer to test report No. ENS2204280012S00301R
Technical Data	:	Refer to test report No. ENS2204280012S00301R
Test Standards	:	EN 62368-1:2014+A11:2017
Version	:	Ver.1.0

EMTEK (SHENZHEN) CO., LTD. CERTIFICATE

(Manager)

July 26, 2022

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EMTEK (Shenzhen) Co., Ltd.
Add: Building 69, Majialong Industry Zone, Nanshan District, Shenzhen, Guangdong, China Http://www.emtek.com.cn E-mail: cs.rep@emtek.com.cn

Certificate of Conformity

NO.: EDG2204280012E00401C

The following products have been tested by us with the listed standards and found in conformity with the council EMC directive 2014/30/EU. This is to certify that the specimen is in conformity with the assessment requirement mentioned follow. This certificate does not imply assessment to the production of the product.

Applicant	:	Mornsun Guangzhou Science &Technology Co Ltd
Address	:	No.8, Nanyun Road 4, Huangpu District, Guangzhou, Guangdong, 510670, P.R.China.
Manufacturer	:	Mornsun Guangzhou Science &Technology Co Ltd
Address	:	No.8, Nanyun Road 4, Huangpu District, Guangzhou, Guangdong, 510670, P.R.China.
EUT	:	AC-DC Converter
M/N	:	See the page 2
Trade Mark	:	N/A
Test Standards	:	EN 55032:2015+A1:2020 EN IEC 61000-3-2: 2019+A1:2021 EN 61000-3-3:2013+A2:2021 EN 55035:2017+A11:2020
Version	:	Ver.1.0

Sam Lv(Manager)
May 27, 2022

The certificate is based on a single evaluation of one sample of above-mentioned products, It does not imply an assessment of the whole production and does not permit the use of the test lab. logo .

EMTEK (Dongguan) Co., Ltd.
Add: -1&2/F .,Building 2,Zone A,Zhongda Marine Biotechnology Research and Development Base ,No.9, Xincheng Avenue,Songshanhu High-technology Industrial Development Zone,Dongguan, Guangdong,China Http://www.emtek.com.cn E-mail: project@emtek.com.cn

Input voltage: 100---240Vac 7.5A 50-60Hz.				
Part number	Output voltage (V)	Output current (A,MAX)	Output power (W,MAX)	Transformer type
LMF600-20B12 LMF600-20B12-YYY	12	50	600	51500156（A/0-A/9、B/0-B/9）
LMF600-20B15 LMF600-20B15-YYY	15	40	600	51500057（A/0-A/9、B/0-B/9）
LMF600-20B24 LMF600-20B24-YYY	24	25	600	51500819（A/0-A/9、B/0-B/9）
LMF600-20B27 LMF600-20B27-YYY	27	22.3	602.1	51500058（A/0-A/9、B/0-B/9）
LMF600-20B36 LMF600-20B36-YYY	36	16.7	601.2	51500142（A/0-A/9、B/0-B/9）
LMF600-20B48 LMF600-20B48-YYY	48	12.6	604.8	51500059（A/0-A/9、B/0-B/9）
LMF600-20BXXX LMF600-20BXXX-YYY	11.8-12.6V	0-50A	600	51500156（A/0-A/9、B/0-B/9）
	14.7-15.8V	0-40A	600	51500057（A/0-A/9、B/0-B/9）
	23.5-25.2V	0-25A	600	51500819（A/0-A/9、B/0-B/9）
	26.4-28.4V	0-22.3A	602.1	51500058（A/0-A/9、B/0-B/9）
	35.3-37.8V	0-16.7A	601.2	51500142（A/0-A/9、B/0-B/9）
	47.0-50.4V	0-12.6A	604.8	51500059（A/0-A/9、B/0-B/9）

Remark：
(1)XXX stands for 2~3 digits
2 digits represents the integer output voltage,and the step is 1V,such as 24 is 24V;
3 digits represents the decimal output voltage,and the step is 0.1V,such as 240 is 24.0V.
(2)Output voltage range is 11.8-12.6V,14.7-15.8V,23.5-25.2V, 26.4-28.4V, 35.3-37.8V,47.0-50.4V;
(3)YYY stands for 1~3 letters or digits, Y=A~Z any letter or 0~9 any number.
(4)The step of the output current is 0.01A.

Version : Ver.1.0

EMTEK (DONGGUAN) CO., LTD. TESTING

.....
Sam Lv(Manager)
May 27, 2022

The certificate is based on a single evaluation of one sample of above-mentioned products, It does not imply an assessment of the whole production and does not permit the use of the test lab. logo .

EMTEK (Dongguan) Co., Ltd.
Add: -1&2/F .,Building 2,Zone A,Zhongda Marine Biotechnology Research and Development Base ,No.9, Xincheng Avenue,Songshanhu High-technology Industrial Development Zone,Dongguan, Guangdong,China Http://www.emtek.com.cn E-mail: project@emtek.com.cn

Certificate of Conformity

NO.:EDG2205310157E00201C

The device bearing the trade name and model specified above has been shown to comply with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified. (refer to Test Report if any modifications were made for compliance).

Applicant	:	Mornsun Guangzhou Science &Technology Co Ltd.
Address	:	No.8, Nanyun Road 4, Huangpu District, Guangzhou, Guangdong, 510670, P.R.China.
Manufacturer	:	Mornsun Guangzhou Science &Technology Co Ltd.
Address	:	No.8, Nanyun Road 4, Huangpu District, Guangzhou, Guangdong, 510670, P.R.China.
EUT	:	AC-DC Converter
M/N	:	See the page 2 to 3
Trade Mark	:	N/A
Test Standards	:	EN 60601-1-2:2015+A1:2021 EN 55011:2016+A2:2021 EN IEC 61000-3-2: 2019+A1:2021 EN 61000-3-3:2013+A2:2021
Version	:	Ver.1.0

EMTEK (DONGGUAN) CO.,LTD. CERTIFICATE

Sam Lv(Manager)

June 13, 2022

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EMTEK (Dongguan) Co., Ltd.
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Input voltage: 100---240Vac 7.5A 50-60Hz.				
Part number	Output voltage (V)	Output current (A,MAX)	Output power (W,MAX)	Transformer type
LMF600-20B12 LMF600-20B12-YYY	12	50	600	51500156（A/0-A/9、B/0-B/9）
LMF600-20B15 LMF600-20B15-YYY	15	40	600	51500057（A/0-A/9、B/0-B/9）
LMF600-20B24 LMF600-20B24-YYY	24	25	600	51500819（A/0-A/9、B/0-B/9）
LMF600-20B27 LMF600-20B27-YYY	27	22.3	602.1	51500058（A/0-A/9、B/0-B/9）
LMF600-20B36 LMF600-20B36-YYY	36	16.7	601.2	51500142（A/0-A/9、B/0-B/9）
LMF600-20B48 LMF600-20B48-YYY	48	12.6	604.8	51500059（A/0-A/9、B/0-B/9）

Version : Ver.1.0

EMTEK (DONGGUAN) CO., LTD. CERTIFICATE

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LMF600-20BXXX LMF600-20BXXX-YYY	11.8-12.6V	0-50A	600	51500156（A/0-A/9、B/0-B/9）
	14.7-15.8V	0-40A	600	51500057（A/0-A/9、B/0-B/9）
	23.5-25.2V	0-25A	600	51500819（A/0-A/9、B/0-B/9）
	26.4-28.4V	0-22.3A	602.1	51500058（A/0-A/9、B/0-B/9）
	35.3-37.8V	0-16.7A	601.2	51500142（A/0-A/9、B/0-B/9）
	47.0-50.4V	0-12.6A	604.8	51500059（A/0-A/9、B/0-B/9）

Remark：
(1)XXX stands for 2~3 digits
2 digits represents the integer output voltage,and the step is 1V,such as 24 is 24V;
3 digits represents the decimal output voltage,and the step is 0.1V,such as 240 is 24.0V.
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(3)YYY stands for 1~3 letters or digits, Y=A~Z any letter or 0~9 any number.
(4)The step of the output current is 0.01A.

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EMTEK (DONGGUAN) CO., LTD. CERTIFICATE

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