

EU DECLARATION OF CONFORMITY



It is hereby declared that following designated product:

Product Type: AC-DC converter

Model Number: LM1500-22BXX, LM1500-22BXXa, LM1500-22BXXX, LM1500-22BXXXa
(XX=12,15,24,27,36,48,54; XXX=114-580, a=-C, -Q, -QQ, -CQ, -CQQ, -YYY, -
C-YYY, -Q-YYY, -QQ-YYY, -CQ-YYY, -CQQ-YYY, see model list for detail).

Product Description: See model list

Complies with the essential protection requirements of the Low Voltage Directive (Directive 2014/35/EU), Electromagnetic Compatibility (Directive 2014/30/EU), Restriction of the Certain Hazardous Substances in electrical and electronic equipment (Directive 2011/65/EU) and their amendments (ROHS Directive (EU)2015/863).

This declaration applies to all specimens manufactured identical to the samples submitted for testing/evaluation.

Assessment of compliance of the product with the requirements relating to Directive 2014/35/EU, Directive 2014/30/EU and Directive 2011/65/EU was performed by Mornsun based on the following standards:

EN IEC 62368-1:2020+A11:2020
EN 55032:2015+A11:2020
EN 55035:2017+A11:2020
EN 61000-3-3:2013+A1:2019+A2:2021
EN IEC 63000:2018

An additional delta evaluation of the above-listed equipment concerning the differences between the requirements of the harmonized standard EN 62368-1:2014 (with all applicable corrections) and EN IEC 62368-1:2020, and IEC 62368-1:2018 has been performed and concludes that the safety objectives of the low-voltage targets (2014/35/EU) are met.

This declaration is the responsibility of the manufacturer:

MORNSUN GUANGZHOU SCIENCE & TECHNOLOGY CO., LTD.

No.8, Nanyun Road 4, Huangpu District GUANGZHOU, GUANGDONG 510670 China

Authorised person signing for the company:

Naiqing Xie Regulation Compliance Manager Of MORNSUN

Name in block letters & position in the company

Guangzhou, 16th Apr. 2024

Place & date

Legally valid signature

Model list:

Part number	Output voltage (V)	Output current (A,MAX)	Output power (W,MAX)
LM1500-22B12 LM1500-22B12a	12	125	1500
LM1500-22B15 LM1500-22B15a	15	100	1500
LM1500-22B24 LM1500-22B24a	24	62.5	1500
LM1500-22B27 LM1500-22B27a	27	55.6	1501.2
LM1500-22B36 LM1500-22B36a	36	41.67	1500.12
LM1500-22B48 LM1500-22B48a	48	31.25	1500
LM1500-22B54 LM1500-22B54a	54	27.78	1500.12
LM1500-22BXXX LM1500-22BXXXa	11.4-13.8	0-125.0	1500
	14.25-17.25	0-100	1500
	22.8-27.6	0-62.5	1500
	25.65-31.05	0-55.6	1501.2
	34.2-41.4	0-41.67	1500.12
	45.6-55.2	0-31.25	1500
	51.3-58	0-27.78	1502

Remark:

- (1)XXX=114-580 stands for 2~3 digits.output voltage range is 11.4-58.0V, step by 0.1V, eg.114 is 11.4V,480 is 48.0V.
- (2) a=-C, -Q, -QQ, -CQ, -CQQ, -YYY, -C-YYY, -Q-YYY, -QQ-YYY, -CQ-YYY, -CQQ-YYY
- (3)model with suffix "-C": input terminal block with protective cover, other are the same with the basic;
- (4)model with suffix "-Q": PCB with one side anti-corrosion paint, other are the same with the basic;
- (5)model with suffix "-QQ": PCB with two side anti-corrosion paint, other are the same with the basic;
- (6)model with suffix "-CQ": input terminal block with protective cover and PCB with one side anti-corrosion paint, other are the same with the basic;
- (7)model with suffix "-CQQ": input terminal block with protective cover and PCB with two side anti-corrosion paint, other are the same with the basic;

(8)YYY=1-3 letters or digits or blank, indicate different sales purposes.