

## Certificate of Conformity

NO.: ED200807007S

The following product has been tested by us with the listed standards and found in conformity with the council LVD directive 2014/35/EU. It is possible to use CE marking to demonstrate the conformity with this LVD Directive.

Applicant : Mornsun Guangzhou Science & Technology Co., Ltd.

Address : No.5, Kehui St.1, Kehui development center, Science Ave.,  
Guangzhou Science City, Luogang district, Guangzhou, P. R.  
China

Manufacturer : Mornsun(HuaiHua) Science & Technology Co., Ltd

Address : No.16, Jianshe Avenue, High-tech Industrial Development  
District, Huaihua, Hunan, China.

Trade Mark : **MORNSUN®**

EUT : AC-DC converter

M/N : LM15-23B\* (\* means the model suffix, can be XX, XX-C, XX-Q,  
XX-CQ,XX-XXX, XX-C-XXX, XX-Q-XXX, XX-CQ-XXX YYY,  
YYY-C, YYY-Q, YYY-CQ, YYY-XXX, YYY-C-XXX, YYY-Q-XXX,  
YYY-CQ-XXX. See attached model list for details.)

Technical Data : Ref. to attached model list

Test Standards : EN 62368-1:2014+A11:2017

Version : Ver.1.0



(Manager) CERTIFICATE  
Sept. 18, 2020

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



Model list					
Model name	Output voltage (Vdc)	Max. Output current (A)	Max. Output power (W)	Max. load condition	Transformer model
LM15-23BXX LM15-23BXX-C LM15-23BXX-Q LM15-23BXX-CQ LM15-23BXX-XXX LM15-23BXX-C-XXX LM15-23BXX-Q-XXX LM15-23BXX-CQ-XX X	3.3V	3A	9.9W	100% load at Ambient:50°C, 60% Load at Ambient: 70°C	51500795(A/0-A/5)
	5V	3A	15W	100% load at Ambient:50°C, 60% Load at Ambient: 70°C	
	12V	1.3A	15.6W	100% load at Ambient:50°C, 60% Load at Ambient: 70°C	51500796(A/0-A/5)
	15V	1A	15W	100% load at Ambient:50°C, 60% Load at Ambient: 70°C	
	24V	0.625A	15W	100% load at Ambient:50°C, 60% Load at Ambient: 70°C	51500797(A/0-A/5)
	48V	0.32A	15.36W	100% load at Ambient:50°C, 60% Load at Ambient: 70°C	
					51500798(A/0-A/5)

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LM15-23BYYY LM15-23BYYY-C LM15-23BYYY-Q LM15-23BYYY-CQ LM15-23BYYY-XXX LM15-23BYYY-C-XX X LM15-23BYYY-Q-XX X LM15-23BYYY-CQ-X XX	2.8-3.6V	3A	9.9W	100% load at Ambient:50°C, 60% Load at Ambient: 70°C	51500795(A/0-A/5)
	3.7V-5.5V	3A	15W	100% load at Ambient:50°C, 60% Load at Ambient: 70°C	
	5.6V-13.8V	1.3A	15.6W	100% load at Ambient:50°C, 60% Load at Ambient: 70°C	51500796(A/0-A/5)
	13.9V-18V	1A	15W	100% load at Ambient:50°C, 60% Load at Ambient: 70°C	
	18.1V-28.8 V	0.625A	15W	100% load at Ambient:50°C, 60% Load at Ambient: 70°C	51500797(A/0-A/5)
	28.9V-52.8 V	0.32A	15.36W	100% load at Ambient:50°C, 60% Load at Ambient: 70°C	51500798(A/0-A/5)

#### 1. Definition of variables:

Variable	Rang of variable	Content:
XX	03, 05, 12, 15, 24, 48	2 digits number, means output voltage 3.3V, 5V, 12V, 15V, 24, 48V.
YYY	028-528	3 digits number representing 10 time of output voltage in volt. Raise step by 0.1V, eg: 028=2.8Vdc, 528=52.8Vdc
XXX	A-Z, 0-9	Is any Arabian number or English letter, use to distinguish between Different sales purposes

2. The step of the output current is 0.001A.

3. Models with suffix "C": Terminal block (J1) with protective cover, others are the same with the basic models.

4. Models with suffix "Q": PCB with Anti-corrosion paint, others are the same with the basic models.

5. Models with suffix "CQ": Terminal block (J1) with protective cover and PCB with Anti-corrosion paint, others are the same with the basic models.

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