IEC IECEE

Ref. Certif. No.

JPTUV-153413-M1

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

CB TEST CERTIFICATE

Product	Switching Power Supply
Name and address of the applicant	TDK-Lambda (China) Electronics Co., Ltd. No.95, Zhujiang Road, Xinwu District Wuxi, 214028 Jiangsu, P.R. China
Name and address of the manufacturer	TDK-Lambda (China) Electronics Co., Ltd. No.95, Zhujiang Road, Xinwu District Wuxi, 214028 Jiangsu, P.R. China
Name and address of the factory	See additional page(s)
Ratings and principal characteristics	Rated Input: 100-240 Vac, 50-60 Hz, for CUS800My-zxxxxxxx, CME800Ay-zxxxxxxx: 8.0 A or 9.5 A for CUS1000My-zxxxxxxx, CME1000Ay-zxxxxxxx: 9.5 A or 11.8 A
Trademark (if any)	TDK-Lambda
Customer's Testing Facility (CTF) Stage used	N/A
Model / Type Ref.	CUS800My-zxxxxxxx, CME800Ay-zxxxxxxx, CUS1000My-zxxxxxxx, CME1000Ay-zxxxxxxx (y = blank; z = 12,24,36,48; xxxxxxx = /CO, /CO2, /G, /SF, /CQC other alphanumeric character, symbol or blank)
Additional information (if necessary may also be reported on page 2)	For output ratings, refer to the test report for details. For model difference, refer to the test report. Re-issue of JPTUV-153413 dated 2023-11-01, due to first modification.
A sample of the product was tested and found to be in conformity with	IEC 62368-1:2014 See Test Report for National Differences
As shown in the Test Report Ref. No. which forms part of this Certificate	CN233LFC 002

This CB Test Certificate is issued by the National Certification Body

TÜVRheinland®

TÜV Rheinland Japan Ltd.
Global Technology Assessment Center
4-25-2 Kita-Yamata, Tsuzuki-ku
Yokohama 224-0021, Japan
Phone + 81 45 914-3888
Fax + 81 45 914-3354
Mail: info@jpn.tuv.com
Web : www.tuv.com

Date: 2024-09-14

Signature: Mark Chen

1. TDK-Lambda Malaysia Sdn. Bhd.
   PLO 33, Kawasan Perindustrian Senai
   81400 Senai, Johor
   Malaysia

2. TDK-Lambda (China) Electronics
   Co., Ltd.
   No.95, Zhujiang Road, Xinwu District
   Wuxi
   214028 Jiangsu, P.R. China

Additional information (if necessary) Report Ref. No. : CN233LFC 002

Date: 2024-09-14 Signature: Mark Chen

Test Report issued under the responsibility of:

TEST REPORT
IEC 62368-1
Audio/video, information and communication technology equipment
Part 1: Safety requirements

Report Number .... :	CN233LFC 002
Date of issue .... :	2024-09-12
Total number of pages .... :	33 (excluding report attachments, see page 3)
Name of Testing Laboratory preparing the Report .... :	TÜV Rheinland (Shanghai) Co., Ltd.
Applicant's name .... :	TDK-Lambda (China) Electronics Co., Ltd.
Address.. :	No. 95, Zhujiang Road, Xinwu District, Wuxi 214028 Jiangsu, P.R. China
Test specification:	
Standard .... :	IEC 62368-1:2014
Test procedure .... :	CB Scheme
Non-standard test method .... :	N/A
TRF template used .... :	IECEE OD-2020-F1:2021, Ed.1.4
Test Report Form No. .... :	IEC62368_1D
Test Report Form(s) Originator .. :	UL(US)
Master TRF .... :	Dated 2022-04-14

Test Item description ....:	Switching Power Supply	
Trade Mark(s) ....:	TDK·Lambda	
Manufacturer ....:	Same as applicant	
Model/Type reference ....:	CUS800My-zxxxxxxx, CME800Ay-zxxxxxxx, CUS1000My-zxxxxxxx, CME1000Ay-zxxxxxxx (y = blank; z = 12,24,36,48; xxxxxxx = /CO, /CO2, /G, /SF, /CQC other alphanumeric character, symbol or blank)	
Ratings ....:	See the model list on page 8-9 for details	
Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):		
☒ **CB Testing Laboratory:**	TÜV Rheinland (Shanghai) Co., Ltd.	
Testing location/ address.................................... :	No.177, 178, Lane 777 West Guangzhong Road, Jing'an District, Shanghai, China c/o TUV Rheinland Suzhou Co. Ltd. Pingqian (Taicang) Modern Industrial Park, No.525, Yuewang Lingang South Road, Shaxi Town, Taicang City, Jiangsu Province, China	
Tested by (name, function, signature)................ :	Eder Huang / Project Engineer	Eder Huang.
Approved by (name, function, signature)........... :	Johnson Ma / Technical Reviewer	J - Ma
☐ **Testing procedure: CTF Stage 1:**	N/A	
Testing location/ address.................................... :		
Tested by (name, function, signature)................ :		
Approved by (name, function, signature)........... :		
☐ **Testing procedure: CTF Stage 2:**	N/A	
Testing location/ address.................................... :		
Tested by (name, function, signature)................ :		
Witnessed by (name, function, signature) .... :		
Approved by (name, function, signature)........... :		
☐ **Testing procedure: CTF Stage 3 :**	N/A	
☐ **Testing procedure: CTF Stage 4:**	N/A	
Testing location/ address.................................... :		
Tested by (name, function, signature)................ :		
Witnessed by (name, function, signature) .... :		
Approved by (name, function, signature)........... :		
Supervised by (name, function, signature) .... :		

List of Attachments (including a total number of pages in each attachment):

- ATTACHMENT 1 – Photo Documentation (1 page)

Note: Total number of pages in each attachment indicated in individual attachment.

Summary of testing:

Tests performed (name of test and test clause):	**Testing location:**
<u>Modification test report: CN233LFC 002</u>	TUV Rheinland Suzhou Co. Ltd.
This report is based on original CBTR CN233LFC 001 with changes mentioned on page 7.	Pingqian (Taicang) Modern Industrial Park, No.525, Yuewang Lingang South Road, Shaxi Town, Taicang City, Jiangsu Province, China

Summary of compliance with National Differences (List of countries addressed):

Refer to original report CN233LFC 001.

Use of uncertainty of measurement for decisions on conformity (decision rule) :

☒ No decision rule is specified by the IEC standard, when comparing the measurement result with the applicable limit according to the specification in that standard. The decisions on conformity are made without applying the measurement uncertainty (“simple acceptance” decision rule, previously known as “accuracy method”).

☐ Other:… (to be specified, for example when required by the standard or client, or if national accreditation requirements apply)

Information on uncertainty of measurement:

The uncertainties of measurement are calculated by the laboratory based on application of criteria given by OD-5014 for test equipment and application of test methods, decision sheets and operational procedures of IECEE.

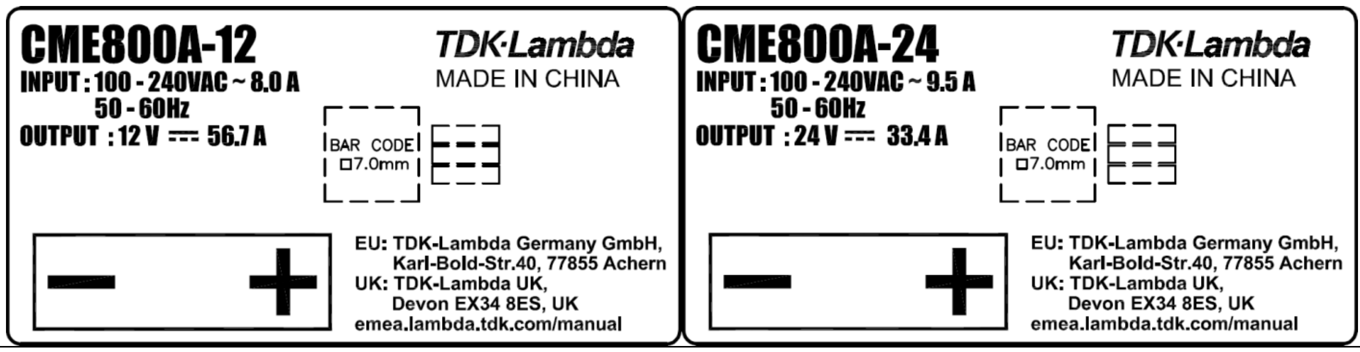
IEC Guide 115 provides guidance on the application of measurement uncertainty principles and applying the decision rule when reporting test results within IECEE scheme, noting that the reporting of the measurement uncertainty for measurements is not necessary unless required by the test standard or customer.

Calculations leading to the reported values are on file with the NCB and testing laboratory that conducted the testing.

Copy of marking plate:

The artwork below may be only a draft. The use of certification marks on a product must be authorized by the respective NCBs that own these marks.

< Representative >



CME800A-36
INPUT : 100 - 240VAC ~ 9.5 A
50 - 60Hz
OUTPUT : 36 V ⎓ 22.2 A
TDK·Lambda
MADE IN CHINA
BAR CODE □7.0mm
EU: TDK-Lambda Germany GmbH,
Karl-Bold-Str.40, 77855 Achern
UK: TDK-Lambda UK,
Devon EX34 8ES, UK
emea.lambda.tdk.com/manual

CME800A-48
INPUT : 100 - 240VAC ~ 9.5 A
50 - 60Hz
OUTPUT : 48 V ⎓ 16.7 A
TDK·Lambda
MADE IN CHINA
BAR CODE □7.0mm
EU: TDK-Lambda Germany GmbH,
Karl-Bold-Str.40, 77855 Achern
UK: TDK-Lambda UK,
Devon EX34 8ES, UK
emea.lambda.tdk.com/manual

CUS800M-12
INPUT : 100 - 240VAC ~ 8.0 A
50 - 60Hz
OUTPUT : 12 V ⎓ 56.7 A
TDK·Lambda
MADE IN CHINA
BAR CODE □7.0mm
EU: TDK-Lambda Germany GmbH,
Karl-Bold-Str.40, 77855 Achern
UK: TDK-Lambda UK,
Devon EX34 8ES, UK
emea.lambda.tdk.com/manual

CUS800M-24
INPUT : 100 - 240VAC ~ 9.5 A
50 - 60Hz
OUTPUT : 24 V ⎓ 33.4 A
TDK·Lambda
MADE IN CHINA
BAR CODE □7.0mm
EU: TDK-Lambda Germany GmbH,
Karl-Bold-Str.40, 77855 Achern
UK: TDK-Lambda UK,
Devon EX34 8ES, UK
emea.lambda.tdk.com/manual

CUS800M-36
INPUT : 100 - 240VAC ~ 9.5 A
50 - 60Hz
OUTPUT : 36 V ⎓ 22.2 A
TDK·Lambda
MADE IN CHINA
BAR CODE □7.0mm
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CUS800M-48
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50 - 60Hz
OUTPUT : 48 V ⎓ 16.7 A
TDK·Lambda
MADE IN CHINA
BAR CODE □7.0mm
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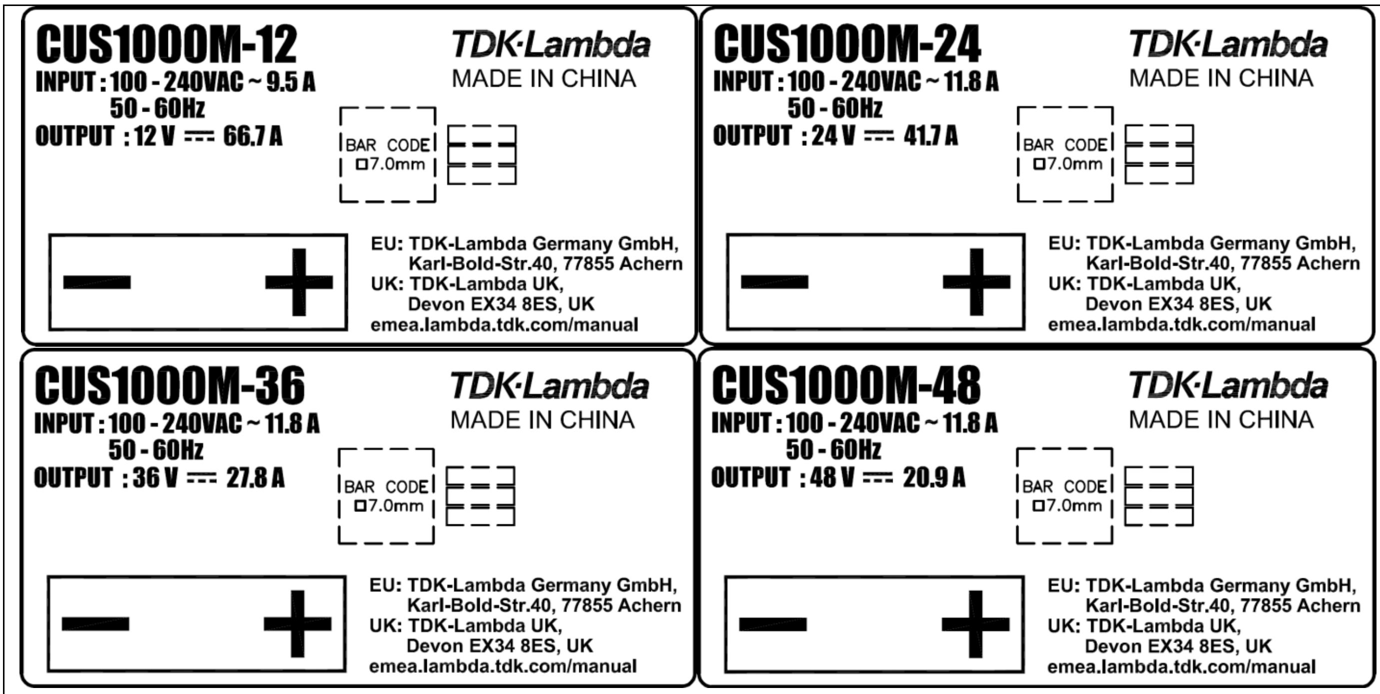
UK: TDK-Lambda UK,
Devon EX34 8ES, UK
emea.lambda.tdk.com/manual

CME1000A-12
INPUT : 100 - 240VAC ~ 9.5 A
50 - 60Hz
OUTPUT : 12 V ⎓ 66.7 A
TDK·Lambda
MADE IN CHINA
BAR CODE □7.0mm
EU: TDK-Lambda Germany GmbH,
Karl-Bold-Str.40, 77855 Achern
UK: TDK-Lambda UK,
Devon EX34 8ES, UK
emea.lambda.tdk.com/manual

CME1000A-24
INPUT : 100 - 240VAC ~ 11.8 A
50 - 60Hz
OUTPUT : 24 V ⎓ 41.7 A
TDK·Lambda
MADE IN CHINA
BAR CODE □7.0mm
EU: TDK-Lambda Germany GmbH,
Karl-Bold-Str.40, 77855 Achern
UK: TDK-Lambda UK,
Devon EX34 8ES, UK
emea.lambda.tdk.com/manual

CME1000A-36
INPUT : 100 - 240VAC ~ 11.8 A
50 - 60Hz
OUTPUT : 36 V ⎓ 27.8 A
TDK·Lambda
MADE IN CHINA
BAR CODE □7.0mm
EU: TDK-Lambda Germany GmbH,
Karl-Bold-Str.40, 77855 Achern
UK: TDK-Lambda UK,
Devon EX34 8ES, UK
emea.lambda.tdk.com/manual

CME1000A-48
INPUT : 100 - 240VAC ~ 11.8 A
50 - 60Hz
OUTPUT : 48 V ⎓ 20.9 A
TDK·Lambda
MADE IN CHINA
BAR CODE □7.0mm
EU: TDK-Lambda Germany GmbH,
Karl-Bold-Str.40, 77855 Achern
UK: TDK-Lambda UK,
Devon EX34 8ES, UK
emea.lambda.tdk.com/manual


CUS1000M-12
TDK·Lambda
MADE IN CHINA
INPUT : 100 - 240VAC ~ 9.5 A
50 - 60Hz
OUTPUT : 12 V ⎓ 66.7 A
BAR CODE
□7.0mm
EU: TDK-Lambda Germany GmbH,
Karl-Bold-Str.40, 77855 Achern
UK: TDK-Lambda UK,
Devon EX34 8ES, UK
emea.lambda.tdk.com/manual
CUS1000M-24
TDK·Lambda
MADE IN CHINA
INPUT : 100 - 240VAC ~ 11.8 A
50 - 60Hz
OUTPUT : 24 V ⎓ 41.7 A
BAR CODE
□7.0mm
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TDK·Lambda
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□7.0mm
EU: TDK-Lambda Germany GmbH,
Karl-Bold-Str.40, 77855 Achern
UK: TDK-Lambda UK,
Devon EX34 8ES, UK
emea.lambda.tdk.com/manual

TEST ITEM PARTICULARS:	
Classification of use by ....:	☐ Ordinary person ☒ Instructed person ☒ Skilled person ☐ Children likely to be present
Supply Connection...:	☒ AC Mains ☐ DC Mains ☐ External Circuit - not Mains connected - ☐ ES1 ☐ ES2 ☐ ES3
Supply % Tolerance ....:	☒ +10%/-10% ☐ +20%/-15% ☐ +____%/ -_____% ☐ None
Supply Connection – Type ....:	☐ pluggable equipment type A - ☐ non-detachable supply cord ☐ appliance coupler ☐ direct plug-in ☐ mating connector ☐ pluggable equipment type B - ☐ non-detachable supply cord ☐ appliance coupler ☒ permanent connection ☒ mating connector ☒ other:_Terminal Block_
Considered current rating of protective device as part of building or equipment installation .... :	_16A (20A for US/CSA); Installation location: ☒ building; ☐ equipment
Equipment mobility .... :	☐ movable ☐ hand-held ☐ transportable ☐ stationary ☒ for building-in ☐ direct plug-in ☐ rack-mounting ☐ wall-mounted
Over voltage category (OVC) .... :	☐ OVC I ☒ OVC II ☐ OVC III ☐ OVC IV ☐ other: ________
Class of equipment .... :	☒ Class I ☐ Class II ☐ Class III ☐ Class II with functional earthing ☐ Not classifed
Access location .... :	☒ restricted access area ☐ N/A
Pollution degree (PD) .... :	☐ PD 1 ☒ PD 2 ☐ PD 3
Manufacturer's specified maxium operating ambient :	___70__°C
IP protection class .... :	☒ IPX0 ☐ IP___
Power Systems .... :	☒ TN ☐ TT ☒ IT - __230__ V $_{L-L;}$ ☐ dc mains ☐ N/A
Altitude during operation (m) .... :	☐ 2000 m or less ☒ _5000__ m
Altitude of test laboratory (m) .... :	☒ 2000 m or less ☐ ______ m
Mass of equipment (kg) .... :	Approx. 0.85kg for CUS1000M series Approx. 0.81kg for CUS800M series

Possible test case verdicts:	
- test case does not apply to the test object ....:	N/A
- test object does meet the requirement ....:	P (Pass)
- test object does not meet the requirement ....:	F (Fail)
Testing ....:	
Date of receipt of test item ....:	N/A
Date (s) of performance of tests...............................:	N/A

General remarks:

"(See Enclosure #)" refers to additional information appended to the report.
"(See appended table)" refers to a table appended to the report.

Throughout this report a ☐ comma / ☒ point is used as the decimal separator.

Manufacturer's Declaration per sub-clause 4.2.5 of IECEE 02:

The application for obtaining a CB Test Certificate includes more than one factory location and a declaration from the Manufacturer stating that the sample(s) submitted for evaluation is (are) representative of the products from each factory has been provided..:	☒ **Yes** ☐ **Not applicable**

When differences exist; they shall be identified in the General product information section.

Name and address of factory (ies)...........................:	1. TDK-Lambda (China) Electronics Co., Ltd. No. 95, Zhujiang Road, Xinwu District, Wuxi 214028 Jiangsu, P.R. China 2. TDK-Lambda Malaysia Sdn. Bhd PLO33, Kawasan Perindustrian Senai, 81400 Senai Johor Malaysia

General product information and other remarks:

This report shall be used in conjunction with original test report CN233LFC 001, refer to original test report for details.

<u>Description of change(s):</u>

Previous approved models were modified as following:

1. Correct the typo error from 'B825' to 'T825' for Primary Terminal Block (TB1) in the List of critical components. See table 4.1.2 in bold for details.
2. Add a new model 'T302 series' for Primary Terminal Block (TB1), which is identical to the previous model expect the appearance. Details refer to Table 4.1.2 & photo documentation.
3. Correct the Verdict & result for clause P.4 & T.8. See subclause & record for details.
4. Check and update certificate validity of critical components. Details refer to Table 4.1.2.

For the above described change, no test was considered necessary to be performed.

<u>History of amendments and modifications:</u>

Ref. No. CN233LFC 001, dated 2023-10-31 (original report)

Ref. No. CN233LFC 002, dated see page 1 (1^{st} modification)

Model differences:

Model CME800A**y-zxxxxxxx** is identical to model CUS800M**y-zxxxxxxx** except for model name.

Model CME1000A**y-zxxxxxxx** is identical to model CUS1000M**y-zxxxxxxx** except for model name.

All models are identical, except for the optional chassis, cover, turns of Transformer and the rating of some components that results in different output ratings. See Model List below for details. All models are identical, except of the optional chassis, cover, turns of Transformer and the rating of some components which results in different output ratings. See Model List below for details.

CUS800M series and CUS1000M series have same PCB and circuit topology. Compared to CUS1000M series, CUS800M series have no additional heatsink on PFC heatsink for D1 and SCR1 and no additional busbar on bottom side. CUS800M series and CUS1000M series have different heatsinks for output rectifier components.

For rating differences between the models see below tables:

<table>
<tr><th>Series Model</th><th>I/p voltage (Vac)</th><th>Freq (Hz)</th><th>I/p current (A)</th><th>Output Channel</th><th>Minimal output</th><th>Rated output (typical)</th><th>Maximum output</th></tr>
<tr><td colspan="8">Forced air by build-in intake fan</td></tr>
<tr><td rowspan="4">CUS800M-12xxxxxxx
CME800A-12xxxxxxx</td><td rowspan="4">100-240</td><td rowspan="4">50-60</td><td rowspan="4">8.0</td><td rowspan="2">Main output</td><td>10.8Vdc</td><td>12Vdc</td><td>12.6 Vdc</td></tr>
<tr><td colspan="3">10.8Vdc~12.6Vdc,
Normal: 56.7A & 680.4W max.
Peak: 66.7A & 800.4W max. (Dynamic)</td></tr>
<tr><td rowspan="2">Standby mode power (optional)</td><td>4.8Vdc</td><td>5Vdc</td><td>5.2Vdc</td></tr>
<tr><td>2A</td><td>2A</td><td>1.9A</td></tr>
<tr><td rowspan="4">CUS800M-24xxxxxxx
CME800A-24xxxxxxx</td><td rowspan="4">100-240</td><td rowspan="4">50-60</td><td rowspan="4">9.5</td><td rowspan="2">Main output</td><td>21.6 Vdc</td><td>24Vdc</td><td>25.9 Vdc</td></tr>
<tr><td colspan="3">21.6Vdc~25.9Vdc,
Normal: 33.4A & 801.6W max.</td></tr>
<tr><td rowspan="2">Standby mode power (optional)</td><td>4.8Vdc</td><td>5Vdc</td><td>5.2Vdc</td></tr>
<tr><td>2A</td><td>2A</td><td>1.9A</td></tr>
<tr><td rowspan="4">CUS800M-36xxxxxxx
CME800A-36xxxxxxx</td><td rowspan="4">100-240</td><td rowspan="4">50-60</td><td rowspan="4">9.5</td><td rowspan="2">Main output</td><td>32.4 Vdc</td><td>36 Vdc</td><td>38.8Vdc</td></tr>
<tr><td colspan="3">32.4Vdc~38.8Vdc,
Normal: 22.2A & 799.2W max.</td></tr>
<tr><td rowspan="2">Standby mode power (optional)</td><td>4.8Vdc</td><td>5Vdc</td><td>5.2Vdc</td></tr>
<tr><td>2A</td><td>2A</td><td>1.9A</td></tr>
<tr><td rowspan="4">CUS800M-48xxxxxxx
CME800A-48xxxxxxx</td><td rowspan="4">100-240</td><td rowspan="4">50-60</td><td rowspan="4">9.5</td><td rowspan="2">Main output</td><td>43.2Vdc</td><td>48 Vdc</td><td>51.8Vdc</td></tr>
<tr><td colspan="3">43.2Vdc~51.8Vdc,
Normal: 16.7A & 801.6W max.</td></tr>
<tr><td rowspan="2">Standby mode power (optional)</td><td>4.8Vdc</td><td>5Vdc</td><td>5.2Vdc</td></tr>
<tr><td>2A</td><td>2A</td><td>1.9A</td></tr>
<tr><td colspan="8">Remark 1: Operating temp.: up to +70ºC (operating temperature depending on equipment’s load, mounting</td></tr>
</table>

<table>
<tr><td colspan="8">position, for details refer to instruction manual).</td></tr>
<tr><th>Series Model</th><th>I/p voltage (Vac)</th><th>Freq (Hz)</th><th>I/p current (A)</th><th>Output Channel</th><th>Minimal output</th><th>Rated output (typical)</th><th>Maximum output</th></tr>
<tr><td colspan="8">Forced air by build-in intake fan</td></tr>
<tr><td rowspan="4">CUS1000M-12xxxxxxx
CME1000A-12xxxxxxx</td><td rowspan="4">100-240</td><td rowspan="4">50-60</td><td rowspan="4">9.5</td><td rowspan="2">Main output</td><td>10.8Vdc</td><td>12Vdc</td><td>12.6 Vdc</td></tr>
<tr><td colspan="3">10.8Vdc~12.6Vdc,
Normal: 66.7A & 800.4W max.
Peak: 83.4A & 1000.8W max. (Dynamic)</td></tr>
<tr><td rowspan="2">Standby mode power (optional)</td><td>4.8Vdc</td><td>5Vdc</td><td>5.2Vdc</td></tr>
<tr><td>2A</td><td>2A</td><td>1.9A</td></tr>
<tr><td rowspan="4">CUS1000M-24xxxxxxx
CME1000A-24xxxxxxx</td><td rowspan="4">100-240</td><td rowspan="4">50-60</td><td rowspan="4">11.8</td><td rowspan="2">Main output</td><td>21.6 Vdc</td><td>24Vdc</td><td>25.9 Vdc</td></tr>
<tr><td colspan="3">21.6Vdc~25.9Vdc,
Normal: 41.7A & 1000.8W max.</td></tr>
<tr><td rowspan="2">Standby mode power (optional)</td><td>4.8Vdc</td><td>5Vdc</td><td>5.2Vdc</td></tr>
<tr><td>2A</td><td>2A</td><td>1.9A</td></tr>
<tr><td rowspan="4">CUS1000M-36xxxxxxx
CME1000A-36xxxxxxx</td><td rowspan="4">100-240</td><td rowspan="4">50-60</td><td rowspan="4">11.8</td><td rowspan="2">Main output</td><td>32.4 Vdc</td><td>36 Vdc</td><td>38.8Vdc</td></tr>
<tr><td colspan="3">32.4Vdc~38.8Vdc,
Normal: 27.8A & 1000.8W max.</td></tr>
<tr><td rowspan="2">Standby mode power (optional)</td><td>4.8Vdc</td><td>5Vdc</td><td>5.2Vdc</td></tr>
<tr><td>2A</td><td>2A</td><td>1.9A</td></tr>
<tr><td rowspan="4">CUS1000M-48xxxxxxx
CME1000A-48xxxxxxx</td><td rowspan="4">100-240</td><td rowspan="4">50-60</td><td rowspan="4">11.8</td><td rowspan="2">Main output</td><td>43.2Vdc</td><td>48 Vdc</td><td>51.8Vdc</td></tr>
<tr><td colspan="3">43.2Vdc~51.8Vdc,
Normal: 20.9A & 1003.2W max.</td></tr>
<tr><td rowspan="2">Standby mode power (optional)</td><td>4.8Vdc</td><td>5Vdc</td><td>5.2Vdc</td></tr>
<tr><td>2A</td><td>2A</td><td>1.9A</td></tr>
<tr><td colspan="8">Remark 1: Operating temp.: up to +70ºC (operating temperature depending on equipment’s load, mounting position, for details refer to instruction manual).</td></tr>
</table>

Definition of various:

CUS800My-zxxxxxxx, CME800Ay-zxxxxxxx, CUS1000My-zxxxxxxx, CME1000Ay-zxxxxxxx

(y = blank; z = 12,24,36,48; xxxxxxx = /CO, /CO2, /G, /SF, /CQC, other alphanumeric character, symbol or blank)

Variable:	Suffix	Description
y	blank	Denotes for standard model
z	12,24,36,48	Denotes for output voltage
xxxxxxx	blank	Denotes for standard model
	/CO	Denotes for single side PWB Coating

	/CO2	Denotes for double side PWB Coating
	/G	Denotes for low earth Leakage current
	/SF	Denotes for single fuse
	/CQC	Denotes for CQC approval
	other alphanumeric character, symbol	For market purposes, no construction differences and no safety impact.

Note: These suffixes may be used together (e.g. /G, /GCO).

ENERGY SOURCE IDENTIFICATION AND CLASSIFICATION TABLE:	
(Note 1: Identify the following six (6) energy source forms based on the origin of the energy.) (Note 2: The identified classification e.g., ES2, TS1, should be with respect to its ability to cause pain or injury on the body or its ability to ignite a combustible material. Any energy source can be declared Class 3 as a worse case classification e.g. PS3, ES3.	
Electrically-caused injury (Clause 5): (Note: Identify type of source, list sub-assembly or circuit designation and corresponding energy source classification) Example: +5 V dc input ES1	
Source of electrical energy	**Corresponding classification (ES)**
Refer to original report CN233LFC 001.	
Electrically-caused fire (Clause 6): (Note: List sub-assembly or circuit designation and corresponding energy source classification) Example: Battery pack (maximum 85 watts): PS2	
Source of power or PIS	**Corresponding classification (PS)**
Refer to original report CN233LFC 001.	
Injury caused by hazardous substances (Clause 7) (Note: Specify hazardous chemicals, whether produces ozone or other chemical construction not addressed as part of the component evaluation.) Example: Liquid in filled component Glycol	
Source of hazardous substances	**Corresponding chemical**
Refer to original report CN233LFC 001.	
Mechanically-caused injury (Clause 8) (Note: List moving part(s), fan, special installations, etc. & corresponding MS classification based on Table 35.) Example: Wall mount unit MS2	
Source of kinetic/mechanical energy	**Corresponding classification (MS)**
Refer to original report CN233LFC 001.	
Thermal burn injury (Clause 9) (Note: Identify the surface or support, and corresponding energy source classification based on type of part, location, operating temperature and contact time in Table 38.) Example: Hand-held scanner – thermoplastic enclosure TS1	
Source of thermal energy	**Corresponding classification (TS)**
Refer to original report CN233LFC 001.	
Radiation (Clause 10) (Note: List the types of radiation present in the product and the corresponding energy source classification.) Example: DVD – Class 1 Laser Product RS1	
Type of radiation	**Corresponding classification (RS)**
Refer to original report CN233LFC 001.	

ENERGY SOURCE DIAGRAM
Indicate which energy sources are included in the energy source diagram. Insert diagram below
Refer to original report CN233LFC 001.

OVERVIEW OF EMPLOYED SAFEGUARDS				
Clause	**Possible Hazard**			
5.1	Electrically-caused injury			
Body Part (e.g. Ordinary)	Energy Source (ES3: Primary Filter circuit)	Safeguards		
		Basic	Supplementary	Reinforced (Enclosure)
Refer to original report CN233LFC 001.				
6.1	Electrically-caused fire			
Material part (e.g. mouse enclosure)	Energy Source (PS2: 100 Watt circuit)	Safeguards		
		Basic	Supplementary	Reinforced
Refer to original report CN233LFC 001.				
7.1	Injury caused by hazardous substances			
Body Part (e.g., skilled)	Energy Source (hazardous material)	Safeguards		
		Basic	Supplementary	Reinforced
Refer to original report CN233LFC 001.				
8.1	Mechanically-caused injury			
Body Part (e.g. Ordinary)	Energy Source (MS3:High Pressure Lamp)	Safeguards		
		Basic	Supplementary	Reinforced (Enclosure)
Refer to original report CN233LFC 001.				
9.1	Thermal Burn			
Body Part (e.g., Ordinary)	Energy Source (TS2)	Safeguards		
		Basic	Supplementary	Reinforced
Refer to original report CN233LFC 001.				
10.1	Radiation			
Body Part (e.g., Ordinary)	Energy Source (Output from audio port)	Safeguards		
		Basic	Supplementary	Reinforced
Refer to original report CN233LFC 001.				
Supplementary Information:				
(1) See attached energy source diagram for additional details. (2) “N” – Normal Condition; “A” – Abnormal Condition; “S” Single Fault				