IEC IECEE CB SCHEME

Ref. Certif. No.

JPTUV-020771-M1

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

SYSTEME CEI D'ACCEPTATION MUTUELLE DE CERTIFICATS D'ESSAIS DES EQUIPEMENTS ELECTRIQUES (IECEE) METHODE OC

CB TEST CERTIFICATE
CERTIFICAT D'ESSAI OC

Product Produit	Uninterruptible Power Supply
Name and address of the applicant Nom et adresse du demandeur	EATON POWER QUALITY SAS 110 Rue Blaize Pascal 38330 Montbonnot St Martin, France
Name and address of the manufacturer Nom et adresse du fabricant	EATON POWER QUALITY SAS 110 Rue Blaize Pascal 38330 Montbonnot St Martin, France
Name and address of the factory Nom et adresse de l'usine	UPE Electronics (Shenzhen) Co., Ltd. Room 407-409, 6th Hong Mian Road Futian Free Trade Zone, Shenzhen 518038, P.R. China
Rating and principal characteristics Valeurs nominales et caractéristiques principales	Input : AC 220-240V; 50/60Hz; Max. 5A; Class I; 1ø Output: AC 220-240V; 50/60Hz; Max. 2.05A; 450VA/250W; 1ø
Trade mark (if any) Marque de fabrique (si elle existe)	MGE OFFICE PROTECTION SYSTEMS
Model/type Ref. Ref. de type	Ellipse ASR 450
Additional information (if necessary) Information complémentaire (si nécessaire)	Re-issue of JPTUV-020771 dated 11.12.2007, due to first modification.
A sample of the product was tested and found to be in conformity with Un échantillon de ce produit a été essayé et a été considéré conforme à la	IEC 62040-1-1:2002 National differences see test report
As shown in the Test Report Ref. No.which forms part of this Certificate Comme indiqué dans le Rapport d'essais numéro de référence qui constitue une partie de ce Certificat	11011424 002

This CB Test Certificate is issued by the National Certification Body
Ce Certificat d'essai OC est établi par l'Organisme National de Certification

TÜVRheinland®

TÜV Rheinland Japan Ltd.
Global Technology Assessment Center
4-25-2 Kita-Yamata, Tsuzuki-ku
Yokohama 224-0021 Japan
Phone + 81 45 470-3888
Fax + 81 45 470-5221
Mail: info@jpn.tuv.com
Web: www.tuv.com

Date: 09.06.2008

Signature: Dipl.-Ing. W. Hsu

TEST REPORT

IEC 62040-1-1

Uninterruptible power systems (UPS) – Part 1-1: General and safety requirements for UPS used in operator access areas

Report reference No	11011424 002
Tested by (printed name and signature)	Andy Lin
Approved by (printed name and signature)	09.06.2008 David Lee
Date of issue	02.06.2008
Testing Laboratory Name	TÜV Rheinland Taiwan Ltd., Taichung Laboratory
Address	10F, No. 219, Min Chuan Rd., Taichung 403, Taiwan
Testing location	CBTL ☒ SMT ☐ TMP ☐
Address	See above
Applicant's Name	Eaton Power Quality SAS
Address	110 Rue Blaize Pascal, 38330 Montbonnot St Martin, France
Test specification	
Standard	IEC 62040-1-1:2002 (1st Edition) EN 62040-1-1:2003
Test procedure	CB Scheme
Non-standard test method	N/A
Test Report Form No	IEC62040_1_1A
TRF originator	SGS Fimko Ltd.
Master TRF	dated 2003-03
Test item description	Uninterruptible Power Supply
Trademark	MGE OFFICE PROTECTION SYSTEMS
Manufacturer	Same as applicant
Model and/or type reference	Same as applicant
Serial number	Ellipse ASR 450
Rating(s)	Pre-production samples without serial number
	Input: 220-240V~, 50/60Hz, 5A max, 1Φ Output: 220-240V~, 50/60Hz, 2.05A max, 450VA/250W, 1Φ,

Copy of marking plate:

Trademark: Shown on the front panel

Remark: Other information of rating label and caution label, see original report for details

Summary of testing:
No additional test necessary

Particulars: test item vs. test requirements		
Equipment mobility	:	Movable
Operating condition	:	Continuous
Mains supply tolerance (%)	:	184V-264V (declared by manufacturer)
Tested for IT power systems	:	No
IT testing, phase-phase voltage (V)	:	N.A.
Class of equipment	:	Class I
Mass of equipment (kg)	:	2.99kg
Protection against ingress of water	:	Not tested
Test case verdicts		
Test case does not apply to the test object	:	N/A
Test item does meet the requirement	:	P(ass)
Test item does not meet the requirement	:	F(ail)
Testing		
Date of receipt of test item	:	03.04.2008
Date(s) of performance of test	:	N/A

General remarks:

"This report is not valid as a CB Test Report unless appended by an approved CB Testing Laboratory and appended to a CB Test Certificate issued by an NCB in accordance with IECEE 02".

The test result presented in this report relate only to the object(s) tested.
This report shall not be reproduced, except in full, without the written approval of the Issuing testing laboratory.

"(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 point is used as the decimal separator.

Standard IEC 62040-1-1:2002 is to be used in conjunction with IEC 60950-1:2001, which is referred to in this TRF by "RD".

Comments:

Summary of compliance with National Differences (for explanation of codes see below):
AT, CH, DE, FI, HU, IT, NL, NO, SE, SI, TR

AT=Austria, CH=Switzerland, DE=Germany, FI=Finland, HU=Hungary, IT=Italy, NL=The Netherlands, NO=Norway, SE=Sweden, SI=Slovenia, TR=Turkey, Including CENELEC group differences

For national difference, see original report 11011424 001 for details

Factory(ies):

See original report 11011424 001 for details

History of amendments and modifications:

Ref. No. 11011424 001, dated 31.10.2007 (original test report)
Ref. No. 11011424 002, dated 02.06.2008 (1st modification)

General product information:

Description of change(s):

1. Change the name and address of applicant and change of trademark, see information cover page and page 2 for details
2. Add alternative source for some components, see bold font in page 4 for details

For the above described change(s) the following was considered to be necessary:

Change	Testing	Comments
1.	N/A	No testing necessary, see information on cover page for details
2.	N/A	Same rating/type materials used, after evaluation, no additional tests required.

4.3	TABLE: list of critical components	P

object/part No.	manufacturer/ trademark	type/model	technical data	standard	mark(s) of conformity[1.]
Battery	BB	SH4.5-12	12V, 4.5Ah, HB	UL 1989	UL MH19884
(Alternative)	CSB	HR 1221W F2	12V, 21W, HB	UL 1989	UL MH14533
(Alternative)	**Vision**	**CP1245H**	**12V, 4.5Ah, HB**	**UL 1989**	**UL MH25860**
Charger transformer TV1	Lion	TFM-00025	130°C	--	Test in appliance
(Alternative)	**Mao Xin**	**TFM-00025**	**130°C**	**--**	**Test in appliance**
Converter transformer TV2	Lion	TFM-00024	130°C	--	Test in appliance
(Alternative)	**Mao Xin**	**TFM-00024**	**130°C**	**--**	**Test in appliance**
Y2 Capacitor	Walsin	AC	4.7nF, 250V a.c. 85°C	IEC60384-14: 1993 2nd edition	VDE 40001829
(Alternative)	Murata	KH	4.7nF, 250V a.c. 85°C	IEC60384-14: 1993 2nd edition	VDE 40002796
(Alternative)	**Murata**	**DE**	**4.7nF, 250V a.c. 85°C**	**IEC60384-14: 1993 2nd edition**	**VDE 40002831**
Opto-coupler (VP1, VP2, VP8)	Cosmo	K1010	Internal Cr=5.3mm External Cr=8.0mm Dti=0.5mm	IEC/EN 60747-5-2 IEC/EN 60950-1	VDE 101347
(Alternative)	**Lite-on**	**LTV-817**	Internal Cr=5.2mm External Cr=7.8mm Dti=0.8mm	**IEC/EN 60747-5-2 IEC/EN 60950-1**	**VDE 094722**

Notes:

1. An asterisk indicates a mark which assures the agreed level of surveillance
2. Thermal class of insulation system of all relay sources is classified as Class B according to IEC 60085.
3. Transformer sources are identical in design (which includes used materials). Only differences are manufacturer and type designation.