

IEC**IECEE
CB
SCHEME**

Ref. Certif. No.

JPTUV-029188-A1

**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 demandeurAmerican Power Conversion Corp.
85 Rangeway Road Building 2
North Billerica MA 01862, USAName and address of the manufacturer
Nom et adresse du fabricantAmerican Power Conversion Corp.
85 Rangeway Road Building 2
North Billerica MA 01862, USAName and address of the factory
Nom et adresse de l'usineDelta Electronics (Jiang Su), Ltd.
No. 1688, Jiangxing East Road
Wujiang Economic Development Zone, Wujiang City, Jiang Su
215200, P.R. ChinaRating and principal characteristics
Valeurs nominales et caractéristiques principalesI/P: AC 220/230/240V; 50/60Hz; 1) 21.9/21.0/20.1A,
2) 29.1/27.8/26.7A, 3) MAX 63A; Class I; Output: refer
to the test report; DC 192V; 30A(for model SRC192XLBP)Trade mark (if any)
Marque de fabrique (si elle existe)

trademark of APC

Model/type Ref.
Ref. de typeUPS: 1)SRC5000UXIXX, SRCPM5KIXX, 2)SRC6000UXIXX, SRCPM6KIXX
(X can be 0-9, A-Z or blank)
External Battery Cabinet: SRC192XLBP
Maintenance Bypass Box: 3)SRCPK001Additional information (if necessary)
Information complémentaire (si nécessaire)For model differences, refer to the test report.
Re-issue of JPTUV-029188 dated 22.10.2009,
due to non-technical change.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 laIEC 62040-1-1:2002
National differences see test reportAs 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

11017449 002

This CB Test Certificate is issued by the National Certification Body
Ce Certificat d'essai OC est établi par l'Organisme National de CertificationTÜV Rheinland Japan Ltd.
Global Technology Assessment Center
4-25-2 Kita-Yamata, Tsuzuki-ku
Yokohama 224-0021 Japan
Phone + 81 45 914-3888
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Mail: info@jpn.tuv.com
Web: www.tuv.com

Date: 08.02.2010

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: 11017449 002

Tested by
(printed name and signature): Cody ChenApproved by
(printed name and signature): 

Date of issue: Jan. 27, 2010

Testing Laboratory Name: TÜV Rheinland Taiwan Ltd., Taichung Laboratory

Address: 10F, No. 219, Min Chuan Rd., Taichung 403, Taiwan

Testing location: CBTL CCATL SMT TMP

Address: See above

Applicant's Name: **American Power Conversion Corp.**Address: **85 Rangeway Road Building 2, North Billerica MA 01862, USA****Test specification**Standard: IEC 62040-1-1:2002 (1st Edition)

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: **APC** (trademark of APC)

Manufacturer: Same as applicant

Model and/or type reference: UPS: SRC5000UXIXX, SRCPM5KIXX, SRC6000UXIXX,
SRCPM6KIXX (X can be 0-9, A-Z or blank)
External Battery Cabinet: SRC192XLBP
Maintenance Bypass Box: SRCPK001

Serial number: Pre-production samples without serial number

Rating(s): For UPS models SRC5000UXIXX, SRCPM5KIXX
I/P: 220/230/240Vac, 50/60Hz, 21.9/21.0/20.1A
O/P: 220/230/240Vac, 50/60Hz, 22.7/21.7/20.8A,
1Ø; 5000VA, 3500W
For UPS models SRC6000UXIXX, SRCPM6KIXX
I/P: 220/230/240Vac, 50/60Hz, 29.1/27.8/26.7A
O/P: 220/230/240Vac, 50/60Hz, 27.3/26.0/25.0A, 6000VA, 4800W
For Battery cabinet model SRC192XLB: 192Vdc, 30A
Maintenance Bypass Box: SRCPK001
I/P: 220/230/240Vac, 50/60Hz, MAX 63A
O/P: 220/230/240Vac, 50/60Hz, MAX 63A, 10000VA, 8000W

Summary of testing:

- Maximum ambient temperature: +40 °C
- No necessary test required.
- EUT is designed for altitudes up to and including 2000 meter.

Particulars: test item vs. test requirements

Equipment mobility	Stationary equipment
Operating condition.....	Continuous
Mains supply tolerance (%)	+10% / -10%
Tested for IT power systems	No
IT testing, phase-phase voltage (V)	N.A.
Class of equipment	Class I
Mass of equipment (kg)	Approx. 5.5kg for UPS models SRC5000UXIXX, SRCPM5KIXX, SRC6000UXIXX and SRCPM6KIXX (X can be 0-9, A-Z or blank); Approx. 36.5kg for external batter cabinet model SRC192XLBP Approx. 4.8kg for Maintenance Bypass Box model SRCPK001
Protection against ingress of water	IP20

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	N/A
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 IEC 62040-1-1:2002".

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".

The manufacturer's declaration, that the samples tested represent the products from each factory is available.

Comments:

Summary of compliance with National Differences (for explanation of codes see below):

EU Group Differences, EU Special National Conditions, EU A-Deviations, AT, CH, DE, DK, FI, GB, HU, IT, KE, NL, NO, SE, SI, TR.

AT=Austria, CH=Switzerland, DE=Germany, DK=Denmark, FI=Finland, GB=United Kingdom, HU=Hungary, IT=Italy, KE=Kenya, NL=The Netherlands, NO=Norway, SE=Sweden, SI=Slovenia, TR=Turkey, US=United States of America.

Factory:

Delta Electronics (Jiang Su), Ltd.
No. 1688, Jiangxing East Road, Wujiang Economic Development Zone, Wujiang City, Jiang Su 215200,
P.R. China

<u>Definition of variables:</u> UPS: SRC5000UXIXX, SRCPM5KIXX, SRC6000UXIXX, SRCPM6KIXX		
Variable:	Range of variable:	Content:
X	Can be 0-9, A-Z or blank.	Stands for marketing purposes only.
<u>History of amendments and modifications:</u> Ref. No. 11017449 001, dated Oct. 21, 2009 (original test report) Ref. No. 11017448 002, dated Jan. 27, 2010 (amendment)		

General product information:

The equipment models SRC5000UXIXX, SRCPM5KIXX, SRC6000UXIXX and SRCPM6KIXX (X can be 0-9, A-Z or blank) are on-line type uninterruptible power supplies with sine wave output for general use.

Model SRC192XLBP is extension External battery cabinets and provided for UPS used only. It has an output of 192Vdc/30A with 16 set batteries. Up to four extension External Battery Cabinet can be interconnected to extent the operating time of the UPS during battery mode.

Model SRCPK001 is a maintenance bypass box, which can connected with UPS in parallel by optional used.

Description of change(s):

1. Change applicant as below,
American Power Conversion Corp.
85 Rangeway Road Building 2, North Billerica MA 01862, USA

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

Change	Testing	Comments
1.	• N/A	Applicant change only, no safety impact. For details see above.