

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

CB TEST CERTIFICATE

Product

Uninterruptible Power Supply (UPS)

Name and address of the applicant

APC by Schneider Electric
Boston ONE Campus, 800 Federal Street, ANDOVER MA
01810-1067
UNITED STATES OF AMERICA

Name and address of the manufacturer

APC by Schneider Electric
Boston ONE Campus, 800 Federal Street, ANDOVER MA
01810-1067
UNITED STATES OF AMERICA

Name and address of the factory

AMERICAN POWER CONVERSION CORPORATION (A.P.C.)
B.V.
Lot 3, Block 14, Phase III, PEZA, 4106 ROSARIO, CAVITE
PHILIPPINES

Note: When more than one factory, please report on page 2

Additional Information on page 2

Ratings and principal characteristics

Input: AC 220-240 V, max.16 A, 50/60 Hz
Output: AC 220-240 V, max.9.1 A, 50/60 Hz, max.2000 VA

Trademark (if any)



Customer's Testing Facility (CTF) Stage used

CTF Stage 1

Model / Type Ref.

Smart UPS
(see testreport for model details)

Additional information (if necessary may also be reported on page 2)

Additional Information on page 2

A sample of the product was tested and found to be in conformity with

IEC 62040-1:2008
IEC 62040-1:2008/AMD1:2013

As shown in the Test Report Ref. No. which forms part of this Certificate

266590-TL1-1

This CB Test Certificate is issued by the National Certification Body

VDE Prüf- und Zertifizierungsinstitut GmbH
VDE Testing and Certification Institute
Zertifizierungsstelle und internat. Angelegenheiten
Certification Body and internat. Affairs

Date: 2019-11-28

Signature:

J. Richter



Ref. Certif. No.

DE1-58480/M3/A2

International Precision Assemblies, Inc.
Blk 17, Lot 2 Phase IV, CEPZA Rosario, 4106
CAVITE
PHILIPPINES

Additional information (if necessary)

Date of origin: 2017-06-20

Reason for M3: Addition of 2 new models SMTL1000RMI2UC; SMTL1000RMI2U
and 11 alternate models SMT750I-CH, SMT1000I-CH, SMT1500I-CH, SMT1000RMI2U-CH,
SMT1500RMI2U-CH, SMC1000I-CH, SMC1500I-CH, SMC2000I-CH, SMC1000I2U-CH, SMC1500I2U-CH,
SMC2000I2U-CH

VDE Prüf- und Zertifizierungsinstitut GmbH
VDE Testing and Certification Institute
Zertifizierungsstelle und internat. Angelegenheiten
Certification Body and internat. Affairs

Date: 2019-11-28

Signature:

J. Richter



Test Report issued under the responsibility of:



TEST REPORT
IEC 62040-1
Uninterruptible power systems (UPS) –
Part 1: General and safety requirements for UPS

CB DE1-58480/M3/A2

Report Number: 266590-TL1-1
Date of issue: 2019-11-27
Total number of pages.....: 122

Name of Testing Laboratory preparing the Report.....: **VDE** Prüf- und Zertifizierungsinstitut GmbH
VDE Testing and Certification Institute

Applicant's name.....: APC by Schneider Electric
Address: Boston ONE Campus; 800 Federal Street; ANDOVER MA 01810-1067; USA

Test specification:

Standard: IEC 62040-1:2008 (First Edition) + Am 1: 2013
Test procedure: CB Scheme
Non-standard test method: N/A

Test Report Form No.: IEC62040_1D
Test Report Form(s) Originator: TÜV Rheinland Japan Ltd.
Master TRF.....: Dated 2016-08

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

General disclaimer:


The test results presented in this report relate only to the object tested.
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Test item description :	Uninterruptible power supply
Trade Mark :	 by Schneider Electric
Manufacturer	APC by Schneider Electric; Boston ONE Campus; 800 Federal Street; ANDOVER MA 01810-1067; USA
Model/Type reference :	Smart UPS SMTL1000RMI2UC; SMTL1000RMI2U, SMT750I-CH, SMT1000I-CH, SMT1500I-CH, SMT1000RMI2U-CH, SMT1500RMI2U-CH, SMC1000I-CH, SMC1500I-CH, SMC2000I-CH, SMC1000I2U-CH, SMC1500I2U-CH, SMC2000I2U-CH (See table on next page and model matrix Appendix 1 for details)
Ratings :	See table next page

Model/Type reference:	Rating(s) :	
SUA500PDRI	Input:	AC 220-240 V, max.7 A, 50/60 Hz
	Output:	AC 220-240 V, max.3.25 A, 50/60 Hz, max.500 VA, 325W
DLA750I, SUA750I, IBM750I, SUA750ICH, SUA750RMI2U, SMT750I, SMT750RMI2UNC, SMT750RMI2U, IBMR750I IBM750I, IBMR750I, 2130-R2X, 39Y8874, SMT750I-CH (added by this update)	Input:	AC 220-240 V, max.7.25 A, 50/60 Hz
	Output:	AC 220-240 V, max.3.5 A, 50/60 Hz, max.750 VA, 500W
SMT750IC, SMT750RMI2UC DLT750IC	Input:	AC 220-240 V, max.4A, 50/60 Hz
	Output:	AC 220-240 V, max.3.41 A, 50/60 Hz, max.750 VA, 500W
SMTL750RMI2U SMTL750RMI2UC	Input:	AC 220-240 V, max. 4 A, 50/60 Hz
	Output:	AC 220-240 V, max. 3.41 A, 50/60 Hz, max. 750 VA, 600W
SUA1000I, SUA1000INBQ, SUA1000RMI2U, SMT1000I, SMT1000RMI2U, SMC1000I, SMC1000I-2U, SMT1000I-CH, SMT1000RMI2U-CH, SMC1000I-CH, SMC1000I2U-CH (added by this update) , IBM1000I, IBMR1000I, 2130-R4X, 39Y8876, SMT1000IC, SMC1000IC, SMT1000RMI2UC, SMC1000I-2UC DLT1000IC, DLT1000RMI2UC,	Input	AC 220-240 V, max.7.25 A, 50/60 Hz,
	Output	AC 220-240 V, max.4.55 A, 50/60 Hz, max.1000 VA, 700 W
SMTL1000RMI2U SMTL1000RMI2UC (added by this update)	Input	AC 220-240 V, max.5.0 A, 50/60 Hz
	Output	AC 220-240 V, max.4.55 A, 50/60 Hz, max.1000 VA, 800W
SUA1500I, SUA1500INBQ, SUA1500IX114, SUA1500IX38, SUA1500RMI2U, SMT1500I, SMT1500RMI2U, SMC1500I, SMC1500I-2U, SMT1500I-CH, SMT1500RMI2U-CH, SMC1500I-CH, SMC1500I2U-CH (added by this update) , SMT1500IX713 SMT1500RMI2UNC, 2130-R6X, 39Y8883, IBM1500I, IBMR1500I, SMT1500IC, SMC1500IC, SMT1500RMI2UC, SMC1500I-2UC DLT1500I, DLT1500RMI2U, DLT1500IC, DLT1500RMI2UC	Input	AC 220-240 V, max.7.25 A, 50/60 Hz,
	Output	AC 220-240 V, max.7 A, 50/60 Hz, max.1500 VA, 1050 W
SMTL1500RMI3U SMTL1500RMI3UC	Input	AC 220-240 V, max.8 A, 50/60 Hz
	Output	AC 220-240 V, max.6.82 A, 50/60 Hz, max.1500 VA, 1350W
SMC2000I, SMC2000I-2U SMC2000I-CH, SMC2000I2U-CH (added by this update)	Input	AC 220-240 V, max.16 A, 50/60 Hz
	Output	AC 220-240 V, max.9.1 A, 50/60 Hz, max.2000 VA, 1300W
	Ambient:	40 °C

Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):		
<input checked="" type="checkbox"/>	CB Testing Laboratory:	VDE Prüf- und Zertifizierungsinstitut GmbH VDE Testing and Certification Institute
Testing location/ address		Merianstrasse 28, 63069 Offenbach, Germany
<input type="checkbox"/>	Associated CB Testing Laboratory:	
Testing location/ address		
Tested by (name, function, signature)..... :		
Approved by (name, function, signature) .. :		
<input checked="" type="checkbox"/>	Testing procedure: CTF Stage 1:	
Testing location/ address		American Power Conversion Holdings Inc., Taiwan Branch 3 F, No. 205, Sec. 3, Beixin Rd., Xindian District, New Taipei City 23143, TAIWAN, R.O.C. VDE file: 5003241-9501-0001/ ID 40037516
Tested by (name, function, signature)..... :		Ulrich Schafranka (technical manager) (authorization of test report) 
Approved by (name, function, signature) .. :		Holger Kreuzer (technical certification officer) 
<input type="checkbox"/>	Testing procedure: CTF Stage 2:	
Testing location/ address		
Tested by (name + signature)		
Witnessed by (name, function, signature) .. :		(authorization of test report)
Approved by (name, function, signature) .. :		
<input type="checkbox"/>	Testing procedure: CTF Stage 3:	
<input type="checkbox"/>	Testing procedure: CTF Stage 4:	
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):		
Appendix No.	Description	Page(s)
1	Model Matrix	1
2	Photos	11
Summary of testing:		
Tests performed (name of test and test clause):		Testing location:
<p>Clause 4.6, 1.6.2/RD Input Current</p> <p>Clause 2.9.2/RD Humidity Conditioning</p> <p>Clause 5.7, 2.10.2/RD Working voltage measurements</p> <p>Clause 7.7, 4.5.2/RD Temperature Tests</p> <p>Clause 8.1, 5.1.1/RD Touch Current and PE current</p> <p>Clause 8.2, 5.2/RD Electric Strength Test</p> <p>Clause 8.3.1., 5.3/RD Abnormal Operating and Fault Condition Test</p> <p>For further test results refer to previous test reports under VDE file 1924400-3335-0040.</p>		<p>American Power Conversion Holdings Inc., Taiwan Branch 3 F, No. 205, Sec. 3, Beixin Rd., Xindian District, New Taipei City 23143, TAIWAN, R.O.C. VDE file: 5003241-9501-0001/ ID 40037516</p>
Summary of compliance with National Differences		
List of countries addressed:		
<p>Note: EN Group Differences together with National Differences and Special National Conditions, see previous test reports</p>		
<p><input checked="" type="checkbox"/> The product fulfils the requirements of DIN EN 62040-1 (VDE 0558-510):2013-11 EN 62040-1:2008 + A1 May2013 IEC 62040-1:2008 (First Edition) + Am 1:2013</p>		

Appendix to test report reference No. :	1924400-3335-0040	
VDE Test- and Certification Institute GmbH Merianstrasse 28 D - 63069 Offenbach	DIN EN 62040-1 (VDE 0558-510):2013-11 EN 62040-1:2008 + A1 May2013 IEC 62040-1:2008 (First Edition) + Am 1:2013	
TYPE OF APPLIANCE :	Uninterruptible Power Supply (UPS)	
Made by :	APC by Schneider Electric; Boston ONE Campus; 800 Federal Street; ANDOVER MA 01810-1067; USA	
Trade mark :		
Model/type ref. :	See pages 2+ 3	
Commission received from	Ken Hsieh	Date: 2019-05-24
Modification on the appliance:		
1.	<p>Adding 2 new models SMTL1000RM12UC; SMTL1000RM12U</p> <p>New models are similar in construction and sharing same components as already certified SMT1000 models.</p> <p>Main differences to already tested models are the use of lithium ion battery packs now, which are separately tested according to IEC 62133:2012 or IEC62133-2:2017 by UL.</p> <p>Refer to table 4.5 for details. Relevant CB certificates and corresponding test reports are available on request.</p> <p>New models are using new inverter transformer. Refer to table 4.5 for details.</p> <p>For test results on new models refer to appended test tables.</p>	
2.	<p>Adding of 11 alternate models SMT750I-CH, SMT1000I-CH, SMT1500I-CH, SMT1000RM12U-CH, SMT1500RM12U-CH, SMC1000I-CH, SMC1500I-CH, SMC2000I-CH, SMC1000I2U-CH, SMC1500I2U-CH, SMC2000I2U-CH for marketing purposes.</p> <p>Models are identical in construction and use of components as already certified base models., except of additional "-CH" suffix on type designation.</p> <p>No further investigation considered being necessary</p>	
3.	Updating of component list table 4.5.in order to reflect new alternate model designations.	