



Ref. Certif. No.

DK-109721-A1-UL

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

CB TEST CERTIFICATE

Product

Server

Name and address of the applicant

Dell Inc.
ONE DELL WAY MAIL STOP PS4-30 ROUND ROCK, TX 78682-0001 USA

Name and address of the manufacturer

Dell Inc.
ONE DELL WAY MAIL STOP PS4-30 ROUND ROCK, TX 78682-0001 USA

Name and address of the factory

Dell Global Business Center Sdn. Bhd.
Plot 76, Mukim 11, Bukit Tengah Industrial Park, 14000 Bukit Mertajam, Penang
Malaysia

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

☒ Additional Information on page 2

Ratings and principal characteristics

See Page 2

Trademark / Brand (if any)

DELL EMC

Type of Customer's Testing Facility (CTF) Stage used

Model / Type Ref.

E70S; E70S...; PowerEdge R750 (The dots "." in model name can be 0 to 9, A to Z or blank, for marketing purpose only.)

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

The report was revised to include correction(s)

☒ Additional Information on page 2

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

IEC 62368-1:2014

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

ASL20100706 issued on 2021-02-02

This CB Test Certificate is issued by the National Certification Body



UL (US), 333 Pfingsten Rd IL 60062, Northbrook, USA

UL (Denko), Borupvang 5A DK-2750 Ballerup, DENMARK

UL (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN

UL (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

For full legal entity names see www.ul.com/ncbnames

Date: 2021-02-24

Original Issue Date: 2021-02-05

Signature:

Jan-Erik Storgaard

Factories:

Dell (China) Company Limited

No. 2388 Jinshang Road, Information Photo-Electronic Park, Xiamen Torch Hi-tech Zone 361000, Fujian
China

Dell (Xiamen) Company Limited

No. 2366 Jinshang Road, Information Photo-Electronic Park, Xiamen Torch Hi-tech Zone 361000, Fujian
China

Dell Products (Poland) Sp. z o.o.

ul. Informatyczna 1, 92-410 Lodz

Poland

PCE TECHNOLOGY DE JUAREZ S.A. DE C.V.

Blvd. Internacional #888, San Jeronimo CD Juarez, Chihuahua C.P. 32505

Mexico

Dell International Services India Private Limited.

Sriperumbudur Hi-Tech SEZ, SIPCOT Industrial Park, Sriperumbudur Phase-II Sunguvarchatram Post, Sirumangadu
Village, Sriperumbudur Taluk Kancheepuram, Tamil Nadu 602106,
India

Dell Computadores do Brasil Ltda.

Av. Emancipação, 5000, 13184-654 - Hortolândia - SP,

Brazil

Ratings:

- (1) 100-240Vac, 50/60Hz, 9.2A-4.7A (X2) or 240Vdc, 3.8A (X2) for 800W PSU
- (2) 100-240Vac, 50/60Hz, 12A-6.3A (X2) or 240Vdc, 5.2A (X2) for 1100W PSU
- (3) 100-240Vac, 50/60Hz, 12A-8A (X2) or 240Vdc, 6.6A (X2) for 1400W PSU
- (4) 100-240Vac, 50/60Hz, 16A-13.5A (X2) or 240Vdc, 11.2A (X2) for 2400W PSU

Additional Information:

Additionally evaluated to EN 62368-1:2014/ A11:2017

National Difference specified in the CB Test Report

The original report was modified to include the following changes/ additions:

- 1. Page 2 of 148: Correct system rating for original report typo (No safety impact).
- 2. Page 10 of 148: Correct dimension in configuration difference table for original report typo (No safety impact)
- 3. Page 13 of 148 and Page 14 of 148: Correct the description (No safety impact).

Additional information (if necessary)



UL (US), 333 Pfingsten Rd IL 60062, Northbrook, USA



UL (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK



UL (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN



UL (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

For full legal entity names see www.ul.com/ncbnames

Date: 2021-02-24

Original Issue Date: 2021-02-05

Signature:

Jan-Erik Storgaard

CERTIFICADO DE CONFORMIDADE

CERTIFICATE OF CONFORMITY

Certificado No. / Certificate No. **UL-BR 21.0814**

Data de Emissão / Date of issue **05 de Abril de 2021 / April 5, 2021**

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Certificado de conformidade válido somente acompanhado das páginas de 1 até 7
Certificate of conformity valid with pages from 1 to 7

Fornecedor / Supplier **DELL COMPUTADORES DO BRASIL LTDA**
(100120-728) Av. Emancipação, 5000
13184-654 – Hortolândia – SP – Brasil
CNPJ: 72.381.189/0006-25

Produto Certificado / Certified Product **SERVIDOR / SERVER**

Família de Produto / Product's Family **N/A**

Modelo - Tipo / Model - Type **Modelo(s)/Model(s): E70S**

Tipo(s)/Type(s): E70S...

(The dots "." in model name can be 0 to 9, A to Z or blank, for marketing purpose only.)

Código de barras / Barcode

Marca Comercial / Trademark **DELL EMC**

Lote ou No. de Série / Lot or Serial Number **N/A**

Normas Aplicáveis / Applicable standards **IEC 60950-1:2005 (Second Edition) + Am 1:2009 + Am 2:2013, CISPR 32:2015/COR1:2016 Class A, CISPR 24: 2010+A1:2015, IEC 61000-3-2:2014 Class A, IEC 61000-3-3:2013, IEC 61000-4-2:2008, IEC 61000-4-3:2010, IEC 61000-4-4:2012, IEC 61000-4-5: 2014+A1:2017, IEC 61000-4-6:2013, IEC 61000-4-8:2009, IEC 61000-4-11: 2004+A1:2017**

Programa de Certificação ou Portaria / Certification Program or Decree **PORTARIA NO. 170/2012 / DECREE NO. 170/2012
PORTARIA NO. 407/2015 / DECREE NO. 407/2015**

Relatório de Avaliação e Ensaio / Assessment and Test Report # **BR2263, Vol. 2, Sec. 116**

Concessão Para / Concession for

Ostentar o Selo de Identificação da Conformidade do Sistema Brasileiro de Avaliação da Conformidade (SBAC) sobre o(s) produto(s) relacionado(s) neste certificado.
Bearing the Conformity Identification Seal of the Brazilian System of Evaluation of Conformity (SBAC) on the product covered by this certificate.

Revisão / Revision date
Validade / Expire date

**15 de junho de 2021 / June 15, 2021
04 de Abril de 2024 / April 4, 2024**

Pedro Mottola
Program Owner

UL do Brasil Certificações, organismo acreditado pela Coordenação Geral de Acreditação do INMETRO – CGCRE, segundo o registro N° OCP-0029 confirma que o produto está em conformidade com a(s) Norma(s) e programas ou Portarias acima descritas.

UL do Brasil Certificações, Certification Body accredited by Coordenação Geral de Acreditação do INMETRO - CGCRE according to the register Nr OCP-0029 confirms that the product is in compliance with the standards and certification Programs or Decrees above mentioned.

Organismo de Certificação /
Certification Body

UL do Brasil Certificações

Av. Engenheiro Luís Carlos Berrini, 105 – 24º Andar
São Paulo – SP – Brasil - 04571-010
T: 55.11.3049.8300 / W: brazil.ul.com

41-IC-F0033 rev 12.0

CERTIFICADO DE CONFORMIDADE

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Solicitante / Applicant **Dell Inc.**
(654965-006) One Dell Way
Mail Stop PS4-30
Round Rock, TX 78682-0001

Fabricante / Manufacture **PCE TECHNOLOGY DE JUAREZ S A DE C V**
(100514-856) Blvd. Internacional 888
San Jeronimo CD
32505 – Juarez Chihuahua – Mexico

MARCAÇÃO / MARKING: Marca do fabricante, modelo e características elétricas.

CARACTERÍSTICAS NOMINAIS / RATINGS:

I/P:

- (1) 100-240Vac, 50/60Hz, 9.2A-4.7A (X2) or 240Vdc, 3.8A (X2) for 800W PSU
- (2) 100-240Vac, 50/60Hz, 12A-6.3A (X2) or 240Vdc, 5.2A (X2) for 1100W PSU
- (3) 100-240Vac, 50/60Hz, 12A-8A (X2) or 240Vdc, 6.6A (X2) for 1400W PSU
- (4) 100-240Vac, 50/60Hz, 16A-13.5A (X2) or 240Vdc, 11.2A (X2) for 2400W PSU
- (5) -48 - -60Vdc, 27A (X2) for 1100W PSU

Class I; IPX0

LISTA DE ACESSÓRIOS / LIST OF ACCESSORIES: N/A

MODELO DE CERTIFICAÇÃO / CERTIFICATION MODEL: 5

VERSÃO DO PROJETO DO PRODUTO / PRODUCT DESIGN VERSION: N/A

Organismo de Certificação / **UL do Brasil Certificações**
Certification Body Av. Engenheiro Luis Carlos Berrini, 105 – 24º Andar
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LISTA DE COMPONENTES CRÍTICOS / LIST OF CRITICAL COMPONENTS:

Componente/Component	Fabricante/Manufacturer	Tipo/Modelo Type/Model	Características técnicas/Technical data	Normal/Standard	Marca de conformidade/Mark(s) of conformity
Enclosure	Interchangeable	Interchangeable	Metal, min. 0.8 mm thick	—	—
Decoration part located outside of enclosure	Interchangeable	Interchangeable	Min. HB.	UL 94	UL
Decoration part located outside of enclosure (Alternate)	Interchangeable	Interchangeable	Flammability level is ignored, when small parts (4g max. or 1750mm ² max.)	—	—
Redundant Power Supply for Building-in (Max. 2 provided)	ASTEC INTERNATIONAL LTD / DELL or DELL EMC	A800E-S0	Input: 100-240V~ 50/60Hz, Max. AC current 9.2A-4.7A, or 240Vdc, Max. DC current 3.8A, Total output power not to exceed 800W at 100-240Vac input. Total output power not to exceed 800W at 240Vdc input, Class I, 55°C, 5000m	UL 60950-1 2nd, UL 62368-1 2nd, IEC 60950-1(ed.2);am1;am2, IEC 62368-1:2014	UL, CB by Nemko
Redundant Power Supply for Building-in (Max. 2 provided) (Alternate)	DELTA ELECTRONICS INC / DELL EMC	D800E-S0	Input: AC 100-240V~, 50/60Hz, 9.2-4.7A or DC 240V, 3.8A; Output: Output Power 800W MAX. Class I, 55°C, 5000m	UL 62368-1 2nd IEC 60950-1(ed.2);am1;am2, IEC 62368-1:2014	UL, CB by TUVRh
Redundant Power Supply for Building-in (Max. 2 provided) (Alternate)	LITE-ON TECHNOLOGY CORPORATION / DELL EMC	L800E-S0	Input: 100-240V~, 50/60Hz, 9.2A-4.7A or 240Vdc, 3.8A; TOTAL OUTPUT POWER NOT TO EXCEED 800W AT 100-240 V~ INPUT TOTAL OUTPUT POWER NOT TO EXCEED 800W AT 240 Vdc INPUT, Class I, 55°C, 5000m	UL 60950-1 2nd, UL 62368-1 2nd, IEC 60950-1(ed.2);am1;am2, IEC 62368-1:2018	UL, CB by Nemko
Redundant Power Supply for Building-in (Max. 2 provided) (Alternate)	Lite-On Technology Corporation / DELL EMC	L1100E-S2	I/P: 100-240V~, 50/60Hz, MAX AC CURRENT 12A-6.3A; 240VDC, MAX DC CURRENT 5.2A, TOTAL OUTPUT POWER NOT TO EXCEED 1050W AT 100-120V~ INPUT, TOTAL OUTPUT POWER NOT TO EXCEED 1100W AT 200-240V~ INPUT TOTAL OUTPUT POWER NOT TO EXCEED 1100W AT 240VDC INPUT. Class I, 55°C, 5000m	UL 62368-1 2nd, IEC 62368-1:2014	UL, CB by Nemko
Redundant Power Supply for Building-in (Max. 2 provided) (Alternate)	Delta Electronics, Inc. / DELL EMC	D1100E-S6	I/P: AC 100-240V~, 50/60Hz, 12A-6.3A or DC 240Vdc, 5.2A. Output Power 1050W MAX at input 100-120V~, Output Power 1100W MAX at input 200-240V~ or 240Vdc, Class I, 55°C, 5000m	UL 62368-1 2nd, IEC 62368-1:2014	UL, CB by TUVRh
Redundant Power Supply for Building-in (Max. 2 provided) (Alternate)	Delta Electronics, Inc. / DELL EMC	D1400E-S0	AC 100-240V; 50/60Hz; 12A-8A; or DC 240V/6.6A Output Power 1050W MAX at input 100-120V~, Output Power 1400W MAX at input 200-240V~ or 240Vdc. Class I, 55°C, 5000m	UL 62368-1 2nd IEC 60950-1(ed.2);am1;am2, IEC 62368-1:2014, EN 62368-1:2014+A11:2017	UL, CB by TUVRh
Redundant Power Supply for Building-in (Max. 2 provided) (Alternate)	ASTEC INTERNATIONAL LTD / DELL or DELL EMC	A1400E-S0	Input: 100-240V~ 50/60Hz, Max. AC current 12A-8A, OR 240Vdc, Max. DC current 6.6A, Total output power not to exceed 1050W at 100-120Vac input. Total output power not to exceed 1400W at 200-240Vdc input. Total output power not to exceed 1400W at 240Vdc input. Class I, 55°C, 5000m	UL 60950-1 2nd, IEC 60950-1(ed.2);am1;am2, IEC 62368-1:2014	UL, CB by Nemko
Redundant Power Supply for Building-in (Max. 2 provided) (Alternate)	LITE-ON TECHNOLOGY CORPORATION / DELL EMC	L1400E-S0	Input: 100-240Vac, 50/60Hz, MAX. 12A-8A or 240Vdc, MAX. 6.6A, TOTAL OUTPUT POWER NOT TO EXCEED 1050W AT 100-120V~ INPUT, TOTAL OUTPUT POWER NOT TO EXCEED 1400W AT 200-240V~ INPUT; TOTAL OUTPUT POWER NOT TO EXCEED 1400W AT 240Vdc INPUT, Class I, 55°C, 5000m	UL 62368-1 2nd IEC 60950-1(ed.2);am1;am2, IEC 62368-1:2018	UL, CB by Nemko
Redundant Power Supply for Building-in (Max. 2 provided) (Alternate)	Astec International Ltd. / DELL or DELL EMC	A2400E-S1	Input: 16-13.5A max 100-240V~ 50/60Hz or DC input: 11.2A max DC 240V, Total output power not to exceed 1400W at 100-120Vac input. Total output power not to exceed 2400W at 200-240Vac and 240Vdc input, Class I, 50°C, 5000m	UL 60950-1 2nd, UL 62368-1 2nd, IEC 60950-1: 2005/AMD2:2013, IEC 62368-1:2014	UL, CB by Nemko
Redundant Power Supply for Building-in (Max. 2 provided) (Alternate)	Delta Electronics, Inc / DELL	D2400E-S1	Input: 100-240Vac, 50/60Hz, 16A-13.5A or 240Vdc, 11.2A. Cl. I. Total output power 1400W MAX at 100-120V~. Total output power 2400W MAX at 200-240V~ or 240Vdc. Class I, 55°C, 5000m	UL 60950-1 2nd, UL 62368-1 2nd, IEC 60950-1: 2005+A1+A2, IEC 62368-1:2014	UL, CB by TUVRh

Organismo de Certificação / Certification Body

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Redundant Power Supply for Building-in (Max. 2 provided) (Alternate)	Astec International Ltd./ DELL or DELL EMC	A1100D-S1	DC INPUT: -48V - -60Vdc MAX DC CURRENT 27A, TOTAL OUTPUT POWER NOT TO EXCEED 1100W AT - 48V - -60Vdc INPUT. Class I, 55°C, 5000m	UL 62368-1 2nd, IEC 60950-1:2005/AMD2:2013, IEC 62368-1:2014	UL, CB by Nemko
Redundant Power Supply for Building-in (Max. 2 provided) (Alternate)	Delta Electronics, Inc./ DELL EMC	D1100D-S0	DC Input: Max DC Current 27A max. -48V - -60 V, TOTAL OUTPUT POWER NOT TO EXCEED 1100W. Class I, 55°C, 5000m	UL 62368-1 2nd, IEC 62368-1:2014	UL, CB by Nemko
HDD (Max. twenty-four provide for 2.5" HDD; Max. twelve provided for 3.5" HDD) (Optional)	HGST Japan, Ltd	HDS series	5 /12Vdc, max. 1.5A/2.0A	IEC 62368-1:2014	CB by UL
HDD (Max. twenty-four provide for 2.5" HDD; Max. twelve provided for 3.5" HDD) (Optional) (Alternate)	TOSHIBA ELECTRONIC DEVICES & STORAGE CORPORATION	HDD2YYYYX (where "Y" may be any alphanumeric representing capacity of the unit or interface type or height, "X" may be any letter A-Z or blank representing SELV changes)	5 Vdc, 1.4A max. or 5/3.3 Vdc, 0.7/0.5 A max.	UL 62368-1, 2nd Edition, IEC 62368-1:2014	UL, CB by TUV
HDD (Max. twenty-four provide for 2.5" HDD; Max. twelve provided for 3.5" HDD) (Optional) (Alternate)	Western Digital Technologies Inc.	1. WDUUUUZVT X- YYYYYY and HZVXXXXXXXXXXXX Series 2. 3.5" Sled, Model WDXXXXXX Series	Class III supplied by ES1. Ratings are not required and are provided for reference only. Series 1 (3.5" type): 12VDC; 1.0A, 5VDC; 1.5A Series 1 (2.5" type): 5Vdc; 1.5A Series 2: Not rated.	UL 62368-1, 2nd Edition IEC 62368-1: 2014 EN 62368-1: 2014	UL, TUV
HDD (Max. twenty-four provide for 2.5" HDD; Max. twelve provided for 3.5" HDD) (Optional) (Alternate)	Interchangeable	Interchangeable	5 /12Vdc, max. 1.5A/2.0A or 5Vdc, 1.5A max. or 3.3Vdc, 0.5A max.	UL 60950-1 2nd, UL 62368-1 2nd, IEC 60950-1: 2005+A1+A2; EN 62368-1: 2014+A11: 2017; IEC 62368-1: 2014	UL, TUV, VDE, Nemko, CB
DC Fan module (six provided)	Delta Electronics Inc.	PFM0612XHE- SM02XXX (X stands for A-Z, 0-9, - or blank)	12Vdc, 3.3A, 62.28 CFM min.	UL 507, IEC/EN 62368-1: 2014	UL, TUVRh
DC Fan module (six provided) (Alternate)	Foxconn Technology Co., Ltd.	PIA060K12Q	12Vdc, 3.0A, 63.68 CFM min.	UL 507, EN 62368-1:2014	UL, VDE
DC Fan module (six provided) (Alternate)	Delta Electronics, Inc.	PFR0612DHE- CXXXXXX (X stands for 0-9, A-Z, - or blank for marketing purpose only)	12Vdc, 2.00A, 50.82 CFM min.	UL 507, IEC/EN 62368-1:2014	UL, TUVRh
DC Fan module (six provided) (Alternate)	NMB Technologies Corporation	06038DA-12S- EWH-(f) ((f) = May be replaced either by blank or by any alphanumeric characters--New Model Number)	12Vdc, 1.8A, 51.6 CFM min.	UL 507, IEC/EN 62368-1: 2014	UL, VDE
DC Fan module (six provided) (Alternate)	NMB Technologies Corporation	06056EA-12S- E6D-(f) ((f) May be replaced either by blank or by any alphanumeric characters--New Model Number)	12Vdc, 4.2A, 67.0 CFM min.	UL 507, IEC/EN 62368-1: 2014	UL, VDE
DC Fan module (six provided) (Alternate)	Sunonwealth Electric Machine Industry Co., Ltd.	VF60381B1-Q12 (Z stands for 30 characters. Each character stands for one of the following signs: 0-9, A-Z, (,), ., /, - or blank, for marketing purpose only.)	12Vdc, 0.98A, 46.5 CFM min.	UL 507, EN 62368-1:2014	UL, TUVRh
DC Fan module (six provided) (Alternate)	Delta Electronics, Inc.	GFM0612SS-00XXXXXX (X stands for A-Z, 0-9, - or blank for marketing purpose)	12Vdc, 7.40A, 69.90 CFM min..	UL 507, IEC/EN 62368-1:22014	UL, TUVRh
DC Fan module (six provided) (Alternate)	Foxconn Technology Co., Ltd.	PIE060M12M	12Vdc, 6.50A, 64.71 CFM min.	UL 507, EN 62368-1:2014	UL, TUVRh
DC Fan module (six provided) (Alternate)	Asia Vital Components Co., Ltd.	DBPG0638Z2UV ("Z" can be A, B, C, G, R, S or T; "V" can be ABCD where A, B, C, D may be A-Z, 0-9, "-" or blank)	12Vdc, 1.94A, 50.52 CFM min.	UL 507, EN 62368-1:2014/A11:2017	UL, TUVSUD

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		tube, ring, or tape - These cells and batteries may come with an optional single or multiple alphanumeric suffix denoting various pin, tab, cap or wire termination types. * - Cells may have various pin, tab, insulating tube, ring and tape.			
-RTC Battery (Lithium type) (Alternate)	Interchangeable	CR2032+, CR2032*, CR-2032*, CR 2032, CR2032(#), CR2032(j)(k)(%)	3Vdc, maximum abnormal charging current 5mA min., against charging current by multiple components D28 and R1908 rated 1Kohm. Non-rechargeable	UL 1642	UL
IO board 1	Interchangeable	Interchangeable	-	-	-
I/O board 2	Interchangeable	Interchangeable	-	-	-
SAS/RAID Interface Card (Optional)	Dell Inc / DELL or Dell EMC or DELL EMC	UC. The ' ' in the model name can be any alphanumeric character or blank.	ES1, Cl. III	UL 60950-1 2nd, IEC 60950-1: 2005/AMD2:2013, IEC 62368-1:2014, IEC 62368-1:2018	UL, CB by Nemko
Rechargeable Li-ion Battery (Optional)	Delta Electronics, Inc / DELL	DPST-150DB XX (X=0-9, A-Z or blank for marketing purpose)	DC 9.8V; Capacity: 2040mAh; 20Wh; Class III (IEC 60950-1) DC 9.8V; Capacity: 2245mAh; 22Wh; Class III (IEC 62368-1)	UL 60950-1, UL 2054, IEC 60950-1:200+A1+A2 IEC 62368-1: 2014, IEC 62133-2:2017, EN 62133:2017	UL, CB by TÜV Rh
Liquid Cooling System (Optional)	COOLIT SYSTEMS INC	900-01039, 900-01054, LCSR3Y-zzzzz (where X, Y and z can be any alphanumeric 0-9 or A-Z or blank.)	Rating is not required, no direct connection to mains	IEC 62368-1:2014, EN 62368-1: 2014/A11:2017	CB by Demko
Air duct	Interchangeable	Interchangeable	V-2 min.	UL 94	UL
All PCBs	Interchangeable	Interchangeable	V-1 min, 105 °C min.	UL 796	UL
Cord Set	Various	Various	---	NBR 14136, NBR NM 60884-1	INMETRO

DOCUMENTOS / DOCUMENTS:

Título / Title	Número / Number	Revisão / Revision	Data emissão / Issuing Date	Data de Realização / Performance Date
<<Dados da Auditoria / Audit data >> (Fabricante / Manufacturer) PCE TECHNOLOGY DE JUAREZ S A DE C V	BR2263	0	2021-03-19	N/A
<<Dados da Auditoria / Audit data >> (Fornecedor / Supplier) DELL COMPUTADORES DO BRASIL LTDA	BR2263	0	2021-4-22/23/28	N/A
Relatório de ensaio emitido por / Test report issued by Universal Standard Service, Inc.	ASL20100708	0	2021-02-28	N/A
Relatório de ensaio emitido por / Test report issued by Universal Standard Service, Inc.	ASL20100708-001	0	2021-04-06	N/A
Relatório de ensaio emitido por / Test report issued by Universal Standard Service, Inc.	ASL20100708-002	0	2021-05-18	N/A
Relatório de ensaio emitido por / Test report issued by Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch	CEBEIP-WTW- P20110639 R1	0	2021-02-17	N/A
<<Software / Software>>	N/A			
<<Manual do usuário / User's manual>>	N/A			

OBSERVAÇÕES / OBSERVATIONS:

- A validade deste Certificado está condicionada à realização das avaliações de manutenção e tratamento de possíveis não conformidades de acordo com as orientações da UL do Brasil Certificações e previstas nos procedimentos específicos. Para verificação da condição atualizada de regularidade deste Certificado de Conformidade deve ser consultado o banco de dados de produtos e serviços certificados do Inmetro.
The validation of this certificate depends on the surveillance inspections performing and Non conformity treatments, according to UL do Brasil Certificações procedures. To verify the updated condition of regularity of this Conformity Certificate shall be consulted the certified products and services Inmetro database.
- Este certificado aplica-se aos equipamentos (produtos) idênticos ao protótipo avaliado e certificado, manufaturados na(s) unidade (s) fabril (is) mencionada (S) acima.

**Organismo de Certificação /
Certification Body**

UL do Brasil Certificações

Av. Engenheiro Luis Carlos Berrini, 105 – 24º Andar
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CERTIFICADO DE CONFORMIDADE

CERTIFICATE OF CONFORMITY

Certificado No. / Certificate No. **UL-BR 21.0814**

Data de Emissão / Date of issue **05 de Abril de 2021 / April 5, 2021**

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Certificado de conformidade válido somente acompanhado das páginas de 1 até 7
Certificate of conformity valid with pages from 1 to 7

This certificate applies to the products that are identical to the prototype investigated, certified and manufactured at the production site mentioned in this certificate.

3. Qualquer alteração no produto, incluindo a marcação, invalidará o presente certificado, salvo se o solicitante informar por escrito à UL do Brasil Certificações sobre esta modificação, a qual procederá à avaliação e decidirá quanto à continuidade da validade do certificado.

Any non-authorized changes performed in the product, including marking, will invalidate this certificate. UL do Brasil Certificações must be notified about any desired change. This notification will be analyzed by UL do Brasil Certificações that will decide about certificate force.

Histórico de Revisões / Revisiosn Description:

15 de junho de 2021 / June 15, 2021	- Atualizado o registro de teste da bateria e aquecimento do cartão PCIE. - Adicionar etiqueta de classificação para a nova classificação do sistema: -48 - -60Vdc, 27A (X2) para 1100W PSU - Adicione duas fontes de alimentação DC do modelo no.A1100D-S1 da Astec e D1100D-S0 da Delta. - Adicione informações de DC-DC PSU em Considerações técnicas. - Updated the test record of battery pack and heating of PCIE card. - Add rating label for new system rating: -48 - -60Vdc, 27A (X2) for 1100W PSU - Add two DC power source of model no. A1100D-S1 from Astec and D1100D-S0 from Delta. - Add information of DC-DC PSU in Technical Considerations.
05 de Abril de 2021 / April 5, 2021	Emissão inicial / Initial Issue
A última revisão substitui e cancela as anteriores The last review replaces and cancels the previous ones	

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