

Certificate of Compliance

Certificate Number: LR 63938-29

Revision: LR 63938-117S

Date Issued: July 8, 1997

Issued To: American Power Conversion Corporation
9 Executive Park Drive
N. Billerica, MA 01862

The products listed below are eligible to bear the CSA Mark.

Issued By: John N. Stedman
Toronto, ON Canada

Revised by: Stephen A. Lee
APC, Billerica Ma.
Category Certification
Participant. 12/16/98

Signature

PRODUCTS

CLASS 5311 05 - POWER SUPPLIES - Stand-Alone

Uninterruptible Power Supplies, cord-connected for use in controlled environments.

Model Smart-UPS 900, D-900, UP909, 900XL, 900XLRM, input 120V, 50/60Hz, 10.5A; output 120V, 50/60Hz, 630W. Model Smart-UPS 1250, D-1250, UP9125, input 120V, 50/60Hz, 10.5A; output 120V, 50/60Hz, 900W. Model Smart-UPS 2000-4, 923-4, UP92000, 2000RM, input 120V, 50/60Hz, 20A; output 120V, 50/60Hz, 1500W. Model Smart-UPS 2000-1, -2, 0-2000, 2000RM-1, 2000RM-2, input 120V, 50/60Hz, 16A; output 120V, 50/60Hz, 1500W.

Model Smart-UPS 2000-3, 2000RM-3, input 120V, 50/60Hz, 12A; output 120V, 50/60Hz, 1440W.

Models UP92000, D-900, D-1250, D-2000 are identical to Models Smart-UPS 2000, 900, 1250, and 2000-1 respectively.

Smart-UPS 2000, 2000RM, -X55, input 120V, 50/60Hz, 20A or 16A or 12A; output 120V, 50/60Hz, 1500W, 2000VA or 1500W, 1850VA or 1440W, 1440VA.

Smart-UPS 2000XL, input 120V, 50/60Hz, 20A or 16A or 12A; output 120V, 50/60Hz, 1500W, 2000VA or 1500W, 1500VA or 1000W, 1000VA.

Model Smart-UPS 600RM, CS-600R, input 120V, 50/60Hz, 5.6A, output 120V, 50/60Hz, 400W.

Model Smart-UPS 900RM, input 120V, 50/60Hz, 8.2A, output 120V, 50/60Hz, 630W.

Model Smart-UPS 1250RM, CS-1250R, input 120V, 50/60Hz, 12A, output 120V, 50/60Hz, 900W.

Model Smart-UPS 2000M, 2000MRM, 2000M-1, 2000RM-1, 2000M-2, 2000MRM-2, input 208V, 50/60Hz, 12A, output 208V, 50/60Hz, 1500W.

*Model Smart-UPS 600XL and 600XLRM, input 120V, 50/60Hz, 10.5A; output 120V, 50/60Hz, 400W.

*Model Smart-UPS 2000XL, input 120V, 50/60Hz, 20A; output 120V, 50/60Hz, 1500W, 2000VA.

*Model Smart-UPS 2000XL-1, -2, -4, input 120V, 50/60Hz, 16A; output 120V, 50/60Hz, 1500W, 1500VA.

*Model Smart-UPS 2000XL-X77, input 120V, 50/60Hz, 12A; output 120V, 50/60Hz, 1200W, 1200VA.

*Model Smart-UPS 1000, 1000RM, 1000XL and 1000XLRM, input rated 120V, 50/60Hz, 12A; output rated 120V, 50/60Hz, 670W.

*Model Smart-UPS 1400, 1400RM, input rated 120V, 50/60Hz, 12A; output rated 120V, 50/60Hz, 950W.

*Model Smart-UPS 1400XLT, 1400RMXLT, input rated 208V, 50/60Hz, 10A; output rated 208V, 50/60Hz, 950W.

*Model Smart-UPS 700RM, 700XL and 700XLRM, input rated 120V, 50/60Hz, 12A; output rated 120V, 50/60Hz, 450W.

*Model Smart-UPS 2200, 2200RM, 2200XL, **2200RM3U**, 3000, 3000RM and **3000RM3U** input rated 120V, 50/60Hz, 21/24/28A max; output rated 120V, 50/60Hz, 2200/2200/3000VA max, 1600/1600/2250W max.

*Model Smart-UPS 2200XLT, 2200RMXLT, input rated 12A; output rated 1600W, 2200VA.

*Model Smart-UPS 3000T, **3000RMT3U**, 3000RTX109, input rated 14A; output rated 2250W, 3000VA.

*Model Smart-UPS **700XLX114**, **1400X114**, **2200XLX114**

*Model Smart-UPS **700BX120**, **1000BX120**, **1400BX120**, **2200BX120**, **2200R3BX120**, **3000BX120**, **3000R3BX120**

*Model Smart-UPS **1400RMBX135**, **3000R3BX135**

*Model Smart-UPS **1400RMX138**

*Model Smart- **450NET**, **700NET**, **700RMNET**, **700XLNET**, **1000NET**, **1000RMNET**, **1000XLNET**, **1400NET**, **1400RMNET**, **1400RMXLNET**, **1400XLTNET**, **1400RMXLNET**, **2200NET**, **2200RMNET**, **2200XLNET**, **2200RMXLNET**, **2200XLTNET**, **2200RMXLNET**, **3000NET**, **3000RMNET**, **3000TNET**

*Model Smart-UPS beginning with prefixes; NS, DL, DIG, UNS, DGS, (prefix options NS = Hewlett Packard, DL = Dell Computer, DIG = Digital Corp, UNS = Unisys, DGS = Data General), ; **DGS1000**, **DGS1400**, **DIG1400RM**, **DIG3000RM3U**, **DL1400RM**, **DL2200RM3U**, **DL3000RM3U**, **NS2200RM3U**, **NS3000RM3U**, **NS3000RMT3U**

*Model Smart-UPS **SU027**, **SU028**, **SU029**, **SU027RM**, **SU028RM**, **SU029RM**, **SU028RM3U**, **SU029RM3U**

*External battery packs, Models **SU24XLBP**, **SU24XLBPX114**, **SU48XLBP**, **SU48RMXLBP**, **SU48XLBPX114**, and **SU48BP**, rated input/output 24 or 48V dc.

Notes:

1. Models with RM suffix on base model, are rack-mounted versions, see Item 49 of this report for specifics.
2. (*) indicates models were evaluated to C22.2 No 107.1 - M91.
3. Models **SU24XLBP**, **SU24XLBPX114**, **SU48XLBP**, **SU48RMXLBP**, **SU48XLBPX114** and **SU48BP** are Certified for use only with the manufacturer's line of Certified uninterruptible power supplies.
4. Models with NS, DL, DIG, UNS and DGS prefixes are electrically identical to their CSA approved parent products, only the front bezel (decorative panel), has changed to satisfy the customer.
5. Models with X114 suffixes are electrically identical to their CSA approved parent products, the X114 feature is an NT software CD ROM in a zip lock bag with cable, placed in the shipping box.
6. Models with BX120 suffixes are electrically identical to their CSA approved parent products, the BX120 feature is a UPS painted black.
7. Models with X135 suffixes are electrically identical to their CSA approved parent products, the X135 feature is a UPS painted black with an EPO cable and NET bundle in the shipping box. The **1400RMBX135** has a CSA approved L5-15P twist lock plug added.
8. Models with X138 suffixes are electrically identical to their CSA approved parent products, the X138 feature is a change to the microprocessor program to provide a 1

second output pulse on pin 5 of the DB9. This pulse tells the UPS to wake up after 99 hours of sleep.

9. Models with NET suffixes are electrically identical to their CSA approved parent products, the NET feature is a CD ROM and product manual in a zip lock bag, placed in the shipping box.

APPLICABLE REQUIREMENTS

CSA Std C22.2 No.	66-1956	- Specialty Transformers
CSA Std C22.2 No.	107-1957	- Rectifying Equipment
CAN/CSA-C22.2 No.	107.1-M91	- Commercial and Industrial Power Supplies
Electrical Bulletin	1402C	- Requirements for Component Type Power Supplies Intended for Use with EDP Equipment and Office Machines
T.I.L.	Q-3	
	Q-6A	

Supplement to Certificate of Compliance

Certificate Number: LR 63938-29

Issued to: American Power Conversion Corporation
9 Executive Park Drive
N. Billerica, MA 01862

*The products listed, including the latest revision described below,
are eligible to be marked in accordance with the referenced Certificate.*

Issued By: John N. Stedman
Toronto, ON Canada

Signature

Product Certification History

Revision	Date	Description
63938-117S	July 8, 1997	Additional Models Smart-ups 1400XLT, 1400RCXLT, Smart-ups 2200XLT, 2200RMXLT, smart-ups 3000T, 3000Tx109
LR 63938-98S	August 4, 1995	Alt. Model Nos.
LR 63938-89S	December 14, 1994	Additional Models
LR 63938-87S	October 24, 1994	Additional Models
LR 63938-82S	August 4, 1994	Additional Models
LR 63938-75S	November 3, 1993	Alt. model designations
LR 63938-69S	June 21, 1993	alt. Construction
LR 63938-65S	April 19, 1993	alt. Plastic
LR 63938-61S	December 15, 1992	Additional Models
LR 63938-58S	September 10, 1992	alt Transformers
LR 63938-46	January 23, 1992	Alt. Model Nos.

LR 63839-41	August 9, 1991	Addition of Models
LR 63938-40	August 16, 1991	Addition of Model
LR 63938-36	May 8, 1991	Addition of Model
LR 63938-35	June 5, 1991	Alternate Model
LR 63938-29	March 27, 1991	Original Certification

63938-29

REPORT NO: LR

Edition 1: March 27, 1991; Application No LR 63938-29 - Moncton
Issued by B. Hicks; Reviewed by J. Elgee, P. Eng.

Edition 17: December 14, 1994; Application No LR 63938-89S - Moncton
Issued by S.L. Morrison, C.E.T.

Pages Replaced: Pgs. 1, 2, 3, 6, 36 and 50

Pages Added: Pg. 51

Figures Added: Figs 29 to 36

Edition 18: August 4, 1995; Application No LR 63938-98S - Rexdale
Issued by S. Zaffino, C.E.T.

Pages Replaced: 1, 3, 36.4, 36.5, 36.6, 51

Figures Added: 37

Illustrations Added: Ills 4 to 7

Attachments Added: Att. 3, Pages 1 to 23 (Engineering Copy Only)

Edition 19: July 8, 1997; Application No LR 63938-117S - Etobicoke
Issued by John N. Stedman

Report Reissued

Figures Added: 38.

Certificate of Compliance has been issued.

Contents: Pages - 1 to 56
Figures - 1 to 38
Attachments - 1 to 2, 3 (Pages 1 to 23) Engineering
Copy Only)
Circuit Schematics - Schs. 1 to 23
Illustrations - 1 to 7

PRODUCTS

Uninterruptible power supplies, cord-connected for use in controlled environments.
Model Smart-UPS 900, D-900, UP909, 900XL, 900XLRM, input 120V, 50/60Hz, 10.5A;
output 120V, 50/60Hz, 630W. Model Smart-UPS 1250, D-1250, UP9125, input 120V,
50/60Hz, 10.5A; output 120V, 50/60Hz, 900W. Model Smart-UPS 2000-4, 923-4,

UP92000, 2000RM, input 120V, 50/60Hz, 20A; output 120V, 50/60Hz, 1500W. Model Smart-UPS 2000-1, -2, 0-2000, 2000RM-1, 2000RM-2, input 120V, 50/60Hz, 16A; output 120V, 50/60Hz, 1500W.

Model Smart-UPS 2000-3, 2000RM-3, input 120V, 50/60Hz, 12A; output 120V, 50/60Hz, 1440W.

Models UP92000, D-900, D-1250, D-2000 are identical to Models Smart-UPS 2000, 900, 1250, and 2000-1 respectively.

Smart-UPS 2000, 2000RM, -X55, input 120V, 50/60Hz, 20A or 16A or 12A; output 120V, 50/60Hz, 1500W, 2000VA or 1500W, 1850VA or 1440W, 1440VA.

Smart-UPS 2000XL, input 120V, 50/60Hz, 20A or 16A or 12A; output 120V, 50/60Hz, 1500W, 2000VA or 1500W, 1500VA or 1000W, 1000VA.

Model Smart-UPS 600RM, CS-600R, input 120V, 50/60Hz, 5.6A, output 120V, 50/60Hz, 400W.

Model Smart-UPS 900RM, input 120V, 50/60Hz, 8.2A, output 120V, 50/60Hz, 630W.

Model Smart-UPS 1250RM, CS-1250R, input 120V, 50/60Hz, 12A, output 120V, 50/60Hz, 900W.

Model Smart-UPS 2000M, 2000MRM, 2000M-1, 2000RM-1, 2000M-2, 2000MRM-2, input 208V, 50/60Hz, 12A, output 208V, 50/60Hz, 1500W.

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*Model Smart-UPS 1400, 1400RM, input rated 120V, 50/60Hz, 12A; output rated 120V, 50/60Hz, 950W.

*Model Smart-UPS 1400XLT, 1400RMXLT, input rated 208V, 50/60Hz, 10A; output rated 208V, 50/60Hz, 950W.

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*Model Smart-UPS 2200, 2200RM, 2200XL, **2200RM3U**, 3000 and 3000RM AND **3000RM3U** input rated 120V, 50/60Hz, 21/24/28A max; output rated 120V, 50/60Hz, 2200/2200/3000VA max, 1600/1600/2250W max.

*Model Smart-UPS 2200XLT, 2200RMXLT, input rated 208V, 50/60Hz, 12A; output rated 208V, 50/60Hz, 1600W, 2200VA.

*Model Smart-UPS 3000T, **3000RMT3U**, 3000TX109, input rated 208V, 50/60Hz, 14A; output rated 208V, 50/60Hz, 2250W, 3000VA.

***Model Smart-UPS 700XLX114, 1400X114, 2200XLX114**

***Model Smart-UPS 700BX120, 1000BX120, 1400BX120, 2200BX120, 2200R3BX120, 3000BX120, 3000R3BX120**

***Model Smart-UPS 1400RMBX135, 3000R3BX135**

***Model Smart-UPS 1400RMX138**

***Model Smart- 450NET, 700NET, 700RMNET, 700XLNET, 1000NET, 1000RMNET, 1000XLNET, 1400NET, 1400RMNET, 1400RMXLNET, 1400XLTNET, 1400RMXLNET, 2200NET, 2200RMNET, 2200XLNET, 2200RMXLNET, 2200XLTNET, 2200RMXLNET, 3000NET, 3000RMNET, 3000TNET,**

***Model Smart-UPS beginning with prefixes; NS, DL, DIG, UNS, DGS, (prefix options NS = Hewlet Packard, DL = Dell Computer, DIG = Digital Corp, UNS = Unisys, DGS = Data General), ; DGS1000, DGS1400, DIG1400RM, DIG3000RM3U, DL1400RM, DL2200RM3U, DL3000RM3U, NS2200RM3U, NS3000RM3U, NS3000RMT3U**

***Model Smart-UPS SU027, SU028, SU029, SU027RM, SU028RM, SU029RM, SU029RM3U**

***External battery packs, Models SU24XLBP, SU24XLBPX114, SU48XLBP, SU48RMXLBP, SU48XLBPX114, and SU48BP, rated input/output 24 or 48V dc.**

Notes:

1. Models with RM suffix on base model, are rack-mounted versions, see Item 49 of this report for specifics.
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