



CSA INTERNATIONAL

Standards
Development

QMI
Management Systems Registration

Certification
and Testing

June 13, 2001

Mr. William Burks
American Power Conversion Corp.
85 Rangeway Road, Bldg. #2
North Billerica, MA 01862
U.S.A.

Master Contract: 157869
(LR 63938)

**Subject: Category Certification of Models SYPF12KT, SY4K12RMT, SY8K12RMT,
SY12K12RMT and SYRMXR4**

Dear Mr. Burks:

We have received your fax regarding the subject units dated June 4, 2001.

Enclosed, please find the CSA Certification Record Class 5311 05 recognizing the above subject Models under the CSA International Category Certification Program.

Yours truly,

John Stedman
Certification and Testing Division
Power Supplies and Process Control Group
Tel: (416) 747-4074
Fax: (416) 747-4149
E-Mail: john.stedman@csa-international.org

JS/ab

Encl: Cert Record File No. 63938C Class 5311 05

We Answer With Solutions™

178 Rexdale Boulevard, Toronto, ON, Canada M9W 1R3
Telephone: 416.747.4000 Fax: 416.747.4149 www.csa-international.org

The company named below has been authorized by CSA to represent the products listed in this record as "CSA Certified" and to affix the CSA Mark to these products according to the terms and conditions of the CSA Service Agreement and applicable CSA program requirements (including additional Markings).

File No: 063938 C 000

Class No: 5311 05 POWER SUPPLIES Stand-alone

SUBMITTOR

4509998 American Power Conversion Corp.
85 Rangeway Rd Bldg 2
North Billerica, MA 01862
USA

FACTORIES

4509997 American Power Conversion Corp.
P.O. Box 278, 132 Fairgrounds Rd
West Kingston, RI 02892
USA

4551478 ACT Manufacturing Inc.
1801 Fulton Dr
Corinth, MS 38834
USA

4552195 American Power Conversion Corp.
40 Catamore Blvd
East Providence, RI 02914
USA

4552196 American Power Conversion Corp.
Cavite Facility
2nd ST. Cavite EPZA
Rosario Cavite,
Philippines

4552197 American Power Conversion Corp.
Laguna Facility
Lot 32 Phase 1 Carmelray
Industrial Park Canlubang Calamba
Laguna,
Philippines

4552199 American Power Conversion Corp.
Main Ave EPZA
Rosario Cavite,
Philippines

| | |
|---------|---|
| 4639244 | Electronic Assemblies Inc. 103 Trade Avenue Corner Technology Avenue Technopark Phaze 4 Binan, Laguna, Philippines |
| 4641707 | American Power Conversion Lot 3 Block 14, Phase III Cavite Export Processing Zone Rosario Cavite, Philippines |
| 4651102 | St Microelectronics Srl Km17 - Boite Postale 71 Bouekoura, 20180 Morocco |
| 4656698 | APC India No. 187/3 & 188/3 Jigani Village Jigani Hobli Anekal Taluk Bangalore District, 562106 India |

June 13, 2001(Replaces: June 6, 2001)

UNINTERRUPTIBLE POWER SUPPLIES, CORD CONNECTED, FOR USE IN CONTROLLED ENVIRONMENTS:

- Models 110SE, D-110, input 120V, 60Hz, 180VA; output 120V, 60Hz, 90W max.
- Models 200DL, PR200, D-200, UP902, input 120V, 60Hz, 3A; output 120V, 60Hz, 1.7A, 140W max.
- Model 330XT+, 932-4, 8850, 61301, SPS300, SPS330A, EE330, input 120V, 60Hz, 360VA, output 120V, 60Hz, 2.5A max.
- Models 360SX, UP903, PR360, 61306, EE360, D-360, input 120V, 60Hz, 600VA; output 120V, 60Hz, 3A max.
- Models 450AT+, UP945, 942-4, 8851, 61302, SPS450, 450VA, SPS450A, EE450, PR450, D-450, input 120V, 60Hz, 600VA; output 120V, 60Hz, 3.8A max; 800RT, PR800, 982-4, 8852, 61304, SPS800, 800VA, AE800, EE800, 908-15, 908-16 and D-800, -800RM, PR800RM, input 120V, 60Hz, 12A; output 120V, 60Hz, 600W max.
- Models 520ES, UP905, PR520, EE520, 520VA, 61303, D-520, input 120 V, 60 Hz, 600 VA; output 120 V, 60 Hz, 4.5 A max.
- Models 1200VX, PR1200, 913-4, 8853, 61305, SPS1200, 1200VA, AE1200, EE1200, 912-15, 912-16 and D-1200 -1200RM, PR1200RM, input 120V, 60Hz, 12A; output 120V, 60Hz, 1000W.
- Models 600LS, PR600, EE600, D600 or UP906, SMART UPS 600, SMART UPS 600RM, CS-600R, input 120V, 60Hz, 7A; output 120V, 60Hz, 5A, 400W max.

- Models 370 ci and SMART UPS 400, SU400NET, PR400, D-400S, UP904, input 120V, 50/60Hz, 4A, output 120V, 50/60Hz, 250W; SMART UPS250, SU250NET, input 120V, 50/60Hz, 3A; 120V, 50/60Hz, 175W output.
- Models SMART UPS 900, 900RM, D-900, D-1250, UP9125, 1250, 1250RM, CS-1250R, UP909, 900XL, 900XLRM, input 120V, 50/60Hz, 10.5A, output 120V, 50/60Hz, 630W for Models 900, D-900, and 900W for Models 1250, D-1250.
- Models SMART UPS 2000, 2000RM, 923-4, UP92000, D-2000, 2000-1, 2000RM-1, 2000-2, 2000RM-2, 2000-3, 2000RM-3, input 120V, 50/60Hz, 16A, output 120V, 50/60Hz, 1500W.
- Models BACK UPS 200 or PowerCell Personal 10, 250, 280, 360, 400, 450, 520, 600, 900 and 1250, input 120V, 50/60Hz and 2A, 3A, 3A, 5A, 5A, 5A, 7A, 7A, 12A, 12A respectively, outputs 120V, 50/60Hz and 130W, 170W, 180W, 240W, 250W, 300W, 360W, 400W, 630W and 900W respectively.
- Model SMART UPS 400I-X38, input 120V, 50/60Hz, 4A, output 120V, 50/60Hz, 250W. Certified as a component for use in Beckman Instruments, Model Synchron CX7.
- Power UPS250, 400 or PowerCell Personal 20T, 600, input 120V, 50/60Hz and 3A, 5A, 7A respectively, outputs 120V, 50/60Hz and 170W, 250W and 400W respectively.
- Models UP902, UP903, UP945, UP905, input 120V, 50/60Hz and 3A, 5A, 5A, 7A respectively; outputs 120V, 50/60Hz and 170W, 250W, 300W, 400W respectively.
- Models 61402, 61403, 61404, input 120V, 50/60Hz and 3A, 5A, 7A respectively; outputs; 120V, 50/60Hz and 170W, 250W, 400W respectively.
- Models PRK250, PRK400, PRK450, PRK600, PRK900, PRK1250, input 120V, 50/60Hz and 3A, 5A, 5A, 7A, 12A, 12A respectively; outputs 120V, 50/60Hz and 170W, 750W, 300W, 400W, 630W, 900W respectively.
- Models SMART UPS 2000M, 2000RM, 2000M-1, 2000MRM-1, 2000M-2, 2000MRM-2, input 208V, 50/60Hz, 12A, output 208V, 50/60Hz, 1500W.

| Model | Input | Output |
|--------|--------------------|---------------------|
| UP702 | 120V, 50/60Hz, 3A | 120V, 50/60Hz, 170W |
| UP704 | 120V, 50/60Hz, 3A | 120V, 50/60Hz, 250W |
| UP706 | 120V, 50/60Hz, 7A | 120V, 50/60Hz, 400W |
| UP709 | 120V, 50/60Hz, 12A | 120V, 50/60Hz, 630W |
| UP7125 | 120V, 50/60Hz, 12A | 120V, 50/60Hz, 900W |

- Model 'Network Power Cell', input rated 120V, 50/60Hz, 7A; output rated 120V, 50/60Hz, 400W.

| Model | Input | Output |
|---------------------------------|--------------------------------|--|
| SMART-UPS 600XL, 600XLRM | 120V, 50/60Hz, 10.5A | 120V, 50/60Hz, 400W |
| SMART-UPS 2000, 2000RM, -X55 | 120V, 50/60Hz, 20A/16A/12A | 120V, 50/60Hz, 1500W, 2000VA 1500W, 1500VA; 1000W, 100VA |
| SMART-UPS 2000XL | 120V, 50/60Hz, 20A/ 16A/12A | 120V, 50/60Hz, 1500W, 2000VA 1500W, 1500VA; 1000W, 1000VA |
| SMART-UPS 2000XL-1,-2,-4 | 120V, 50/60Hz, 16A | 120V, 50/60Hz, 1500W, 1500VA |
| Personal PowerCell | 120V, 50/60Hz, 3A | 120V, 50/60Hz, 170W |
| Professional PowerCell | 120V, 50/60Hz, 3A | 120V, 50/60Hz, 250W |

| | | |
|---|------------------------|--|
| BF250 | 120V, 60Hz, 12A | UPS outlets: 120V, 2A, 150W Surge outlets: 120V, 12A Total output: 12A |
| BF250J | 100V, 60Hz, 12A | UPS outlets: 100V ac, 60Hz, 150W, 250 VA Surge outlets: 100V ac, 60Hz, 12A Total output: 12A |
| EasyOPTIONS 600 | 120V, 50/60Hz, 3A | 120V, 50/60Hz, 170W |
| EasyOPTIONS 601 | 120V, 50/60Hz, 5A | 120V, 50/60Hz, 250W |
| EasyOPTIONS 602 | 120V, 50/60Hz, 7A | 120V, 50/60Hz, 400W |
| Smart-Ups 2000XL-X77 | 120V, 50/60Hz, 12A | 120V, 50/60Hz, 1200W, 1200VA |
| Matrix 5000 | 208/240V, 60Hz, 24A | 120/208V, 60Hz, 3.75kW, 5kVA for 240V, 4.7kVA for 208V |
| Matrix 5000W | 208/240V, 50/60Hz, 20A | 120/208V, 50/60Hz, 3.75kW, 5kVA for 240V, 4.7kVA for 208V |
| Matrix 3000 | 208/240V, 60Hz, 20A | 120/208V, 60Hz, 2.25kW, 3kVA |
| Matrix 3000W | 208/240V, 50/60Hz, 20A | 120/208V, 50/60Hz, 2.25kW, 3kVA |
| Smart-Ups 1000, 1000RM 1000XL and 1000XLRM, SU1000RMBX120, SU1000RMXLBX120, SU1000NET, SU1000RMNET, SU1000XLNET, SU1000RM2U, SUA1000 | 120V, 50/60Hz, 12A | 120, 50/60Hz, 670W |
| Smart-Ups 1400, 1400RM, SU1400RMBX120, SU1400NET SU1400RMNET SU1400RM2U. | 120V, 50/60Hz, 12A | 120V, 50/60Hz, 950W |
| Smart-Ups 700RM, SU700RMBX120, 700XL and 700XLRM, SU700XLNET, SU700NET, SU700RMXLBX120, SU700RM2U. | 120V, 50/60Hz, 12A | 120V, 50/60Hz, 450W |
| Smart-Ups-Ups 400, | 120V, 50/60Hz, 7A | 120V, 50/60Hz, 280W, 3.75A |
| Smart-Ups 700 | 120V, 50/60Hz, 7A | 120V, 50/60Hz, 450W, 5.8A |
| BP280S, BP280SC, BP280SUS | 120V, 60Hz, 7A | 120V, 60Hz, 180W |

| | | |
|---|--------------------|---|
| BP420S, BP420SC, BP420SUS SU v/s 420S | 120V, 60Hz, 7A | 120V, 60Hz, 260W |
| BP650S, BP650SC, BP650SUS SU v/s 650S | 120V, 60Hz, 7A | 120V, 60Hz, or 410W |
| SmartUPS 2200, 2200XL,3000, 2200RM, SU2200NET, SU2200RMNET, SU2200XLNET | 120V, 50/60Hz | 120V, 50/60Hz |
| SU2200R3BX120 and 3000RM SU3000R3BX120 SU3000NET, SU3000RMNET | 21/24/28A max | 2200/2200/3000VA max 1600/1600/2250W max |
| BackUPS PRO 1000 and SmartUPS v/s 1000 | 120V, 60Hz, 12A | 120V, 50-60Hz, 670W |
| BP1100 | 120V, 60Hz, 12A | 120V, 60Hz, 670W, 1100VA |
| BackUPS PRO 1400 and SmartUPS v/s 1400 | 120V, 60Hz, 12A | 120V, 50-60Hz, 950W |
| Smart-UPS700I-X38 | 240V, 50/60Hz, 4A | 240V, 50/60Hz, 3.2A, 450W |
| Smart-UPS450I-X38 | 240V, 50/60Hz, 4A | 240V, 50/60Hz, 2.0A, 280W |
| Smart-UPS1400XLT and Smart-UPS 1400RMXLT, SU1400RMXL3U, SU1400RMXL3UX171 | 208V, 50/60Hz, 10A | 208V, 50/60Hz, 950W, 1400VA |
| Smart-UPS 2200XLT and Smart-UPS 2200RMXLT | 208V, 50/60Hz, 12A | 208V, 50/60Hz, 1600W, 2200VA |
| Smart-UPS 3000T and Smart-UPS 3000TX109 | 208V, 50/60Hz, 14A | 208V, 50/60Hz, 2250W, 3000VA |
| SU1400RMXLNET | 120V, 60Hz, 10A | 120V, 60Hz, 950W, 1400VA, 11.6A |
| SU1400RMXLNET | 208V, 60Hz, 10A | 120V, 60Hz, 400W, 400VA, 3.3A 208V, 60Hz, 950W, 1400VA, 6.7A |
| SU1400XLTNET | 208V, 60Hz, 10A | 208V, 60Hz, 950W, 1400VA, 6.7A 120V, 60Hz, 400W, 400VA, 3.3A |
| SU2200XLTNET | 208V, 60Hz, 14A | 208V, 60Hz, 1600W, 2200VA, 10.5A 120V, 60Hz, 400W, 400VA, 3.3A |
| SU2200RMXLNET | 208V, 60Hz, 14A | 208V, 60Hz, 1600W, 2200VA, 10.5A 120V, 60Hz, 400W, 400VA, 3.3A |
| SU3000TNET | 208V, 60Hz, 16A | 208V, 60Hz, 2250W, 3000VA, 14.4A 120V, 60Hz, 400W, 400VA, 3.3A |
| SU3000TX109 | 208V, 60Hz, 16A | 208V, 60Hz, 2250W, 2200VA, 10.5A |

| | | |
|--------------------------|-------------------------------|--|
| SU2200RM3U | 120V, 60Hz, 21A | 120V, 60Hz, 1600W,2200VA, 18.3A |
| SU3000RM3U | 120V, 60Hz, 28A | 120V, 60HZ, 2250W,3000VA, 25A |
| SU3000RMT3U | 208V, 60Hz, 28A | 208V, 60Hz, 2250W,3000VA, 14.4A 120V, 60Hz, 400W, 400VA, 3.3A |
| NS2200RM3U or APC2RA | 120V, 60Hz, 21A | 120V, 60Hz, 1600W,2200VA, 18.3A |
| NS3000RM3U or APC3RA | 120V, 60Hz, 28A | 120V, 60Hz, 2250W,3000VA, 25A |
| NS3000RMT3U or APC3TA | 208V, 60Hz, 28A | 208V, 60Hz, 2250W,3000VA, 14.4A 120V, 60Hz, 400W, 400VA, 3.3A |
| SYMINIF, SYMINIF-PD | 208/240V, 50-60Hz, 1ph 10A | 120/208/240V, 50-60Hz, 1ph, 40A, 8kVA, 5.6kW |
| SYMSTRF, SYMSTRF-PD | 208/240V, 50-60Hz, 1ph 80A | 120/208/240V, 50-60Hz, 80A, 16kVA, 11.2kW |
| BK300 with suffix C | 120V, 60Hz, 300VA | 120V, 60Hz, 300VA |
| BK500M/MUS with suffix C | 120V, 60Hz, 500VA | 120V, 60Hz, 500VA |
| BK650M/MUS with suffix C | 120V, 69Hz, 650VA | 120V, 60Hz, 650VA |
| BP280S | 120V, 60Hz, 280VA | 120V, 60Hz, 280VA |
| BP420S | 120V, 60Hz, 420VA | 120V, 60Hz, 420VA |
| SU420NET | 120V, 60Hz, 420VA | 120V, 60Hz, 420VA |
| SU620NET | 120V, 60Hz, 620VA | 120V, 60Hz, 620VA |
| SU620INET | 230V, 60Hz, 620VA | 230V, 60Hz, 390W, 2.8A |
| BP350U | 120V, 50-60Hz, 12A | 120V, 50-60Hz, 350VA; 220W(Battery) |
| BP500U | 120V, 50-60Hz, 12A | 120V, 50-60Hz, 500VA; 315W(Battery) |
| BP700X | 120V, 60Hz, 12A | 120V, 60Hz, 12A; UPS 120VAC, 60Hz, 410W, 700VA |

- UPS hot swap-out box, Model AP019, cord connected, input/output, rated 120V, 50/60Hz, 12A. Certified as an accessory for use with the manufacturer's line of Certified UPS's.
- Line isolation transformer assembly, cord connected, Model AP017, input rated 115V ac, 11A; output rated 115V ac, 11A, 1250VA, 50/60Hz max.
- Line regulators Models Line-R600 and Line-R1250, input rated 120V, 50/60Hz, 7/12A, output rated 120V, 50/60Hz, 600/1250VA respectively.
- External battery packs, Models SU24XLBP, 1 x 114, SU48XLBP, 1 x 114 and SU48BP, SU24RMXLBP2U, SU48RMXLBP, rated 24V dc, 48V dc and 48V dc respectively.
- UPS Component Model SYPM rated 200-240V ac, 50-60Hz, 20A input; 200/220/230/240V ac, 50-60Hz, 4kVA, 2.8kW, 20A output. ACCESSORIES FOR USE WITH 'MATRIX' SERIES UPS UNITS:
- Series MXA100 to MXA199, miscellaneous extension cord sets, power distribution units, 240V ac, 30A max, 60Hz, 3 or 4 wire.
- Hard-wire kit accessory, Models MXZ001 and MXA002.
- Battery Cabinets Models SYXR4, SYXR4J-BM and SYXR12 rated 120Vdc, 7.0AH per module; Accessories for use with "MATRIX SERIES" UPS units.

| Model | Input | Output |
|--|--------------------|---|
| BF400, BF400C | 120V, 60Hz, 10A | Surge: 120V, 60Hz, 10A UPS 120V, 60Hz, 3A, 250W, 400VA, 10A total outputs. |
| BF350 | 120V, 60Hz, 10A | Surge: 120V, 60Hz, 10A UPS: 120V, 60Hz, 225W, 350VA. |
| BF500 | 120V, 60Hz, 10A | Surge: 120V, 60Hz, 10A UPS: 120V, 60Hz, 325W, 500VA. |
| SU5000, SU5000R5TX168, SU5000RMT5U, SU5000R5TBX120, SU5000R5TBX135, SU5000R5TBX114 and DL5000RMT5U | 208V, 60Hz, 24A | 208V, 60Hz, 5000VA, 3750W |
| Power Stack 250 | 120V, 60Hz, 7A | 120V, 60Hz, 165W |
| Power Stack 450 | 120V, 60Hz, 7A | 120V, 60Hz, 280W |
| Bay Stack 450 | 120V, 60Hz, 7A | 120V, 60Hz, 280W |
| CNB700X | 120V, 60Hz, 12A | Surge: 120V, 60Hz, 12A 120V, 60Hz, 410W, 700VA |
| CNB900X | 120V, 60Hz, 12A | Surge: 120V, 60Hz, 12A 120V, 60Hz, 500W, 900VA |
| SUA1500 | 120V, 50/60Hz, 12A | 120V, 50/60Hz, 980W, 1400VA |

- *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, 1400XLNET, 1400RMXLNET, 2200NET, 2200RMNET, 2200XLNET, 2200RMXLNET, 2200XLNET, 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, SU029RM3U.
- Series Symmetra-RM, Models SYHF6KT, SYH2K6RMT, SYH4K6RMT, SYH6K6RMT, SYPF12KT, SY4K12RMT, SY8K12RMT, SY12K12RMT and SYRMXR4.

INVERTER FOR USE IN VEHICLES

- Model PNote AC75 rated 13.5V dc, PA input; 120V ac, 60Hz, 75W output.