



# Certificate of Compliance

**Certificate:** 70166141

**Master Contract:** 157869

**Project:** 80015465


**Date Issued:** October 17, 2019

**Issued To:** Schneider Electric IT Corporation,  
FKA American Power Conversion Corp.  
800 Federal Street,  
Andover, Massachusetts, 01810  
United States

**Attention:** Kin Keat

*The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.*

**Issued by:**

  
Sanjay Chaubal



## **PRODUCTS**

CLASS - C531108 - POWER SUPPLIES Uninterruptible Power Systems

CLASS - C531188 - POWER SUPPLIES Uninterruptible Power Systems - Certified to US Standards

Double Conversion On-line Uninterruptible Power Supply, Model: XU1K3LLXXRCC, permanently connected, rack mount (2U), forced air cooled and rated as follows:-

Input Configuration	Single phase, 3-wire (Line, Neutral and Earth)
AC Input Voltage	120 V
Input Frequency	50/60 Hz
Input Current (Battery Fully Discharged)	21 A
Input Current (Battery Fully Charged)	12 A
DC Input (From External Battery)	48V dc nominal, 31A
External Battery (not to be provided with the UPS)	48 V dc nominal, 50/100 AH VRLA Type

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DC Output (To External Battery Pack - Charging)	58 V dc nominal, 15 A, 870W
AC Output Voltage	120 V ac
Output Frequency	50/60 Hz
Output Current	11 A
Output Active Power	1300 W
Output Apparent Power	1300 VA
Output Waveform	True Sine Wave
Max ambient	50 °C /74°C (with power derating)
Short Circuit Withstand Rating (Icw)	5kA (max)

Double Conversion On-line Uninterruptible Power Supply, Model: XU2K0LLXXRCC, permanently connected, rack mount (2U), forced air cooled and rated as follows:-

Input Configuration	Single phase, 3-wire (Line, Neutral and Earth)
AC Input Voltage	120 V
Input Frequency	50/60 Hz
Input Current (Battery Fully Discharged)	26.4 A
Input Current (Battery Fully Charged)	18 A
DC Input (From External Battery)	48V dc (nominal), 42.09A
External Battery (not to be provided with the UPS)	48 V dc (nominal), 50/100 AH VRLA Type
DC Output (To External Battery Pack - Charging)	58 V dc nominal, 15 A, 870W
AC Output Voltage	120 V ac
Output Frequency	50/60 Hz
Output Current	17 A
Output Active Power	1800 W
Output Apparent Power	2000 VA
Output Waveform	True Sine Wave
Max ambient	50 °C /74°C (with power derating)
Short Circuit Withstand Rating (Icw)	5kA (max)

Notes:

1. The products were tested in a branch circuit protected by a 30A circuit breaker. Additional evaluation shall be conducted if a higher protector is to be used in the end system.
2. Evaluated for use at 50°C ambient temperature at full load operation, 74°C ambient temperature at de-rated full load to its 70% value with charging mode disabled.
3. These products are intended to be operated in Pollution Degree 2 environment.
4. Testing was conducted with the batteries provided by the UPS manufacturer with the specifications as provided in the Report.
5. Battery is not provided by the UPS manufacturer. The installation and maintenance instructions shall be provided by the battery manufacturer.
6. The products are to be used in the restricted access location.
7. The requirements for EMC have not been evaluated under this investigation.



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8. The generator is not provided by the UPS manufacturer and not part of the evaluation. The installation and maintenance shall be provided by the generator manufacturer as required by the Authorities Having Jurisdiction.

### **APPLICABLE REQUIREMENTS**

- |                                   |   |                                |
|-----------------------------------|---|--------------------------------|
| CSA - C22.2 No. 107.3-14          | - | Uninterruptible Power Systems. |
| UL 1778 (5 <sup>th</sup> Edition) | - | Uninterruptible Power Systems. |

\*Note: CSA C22.2 No. 107.3-14 and UL 1778 5<sup>th</sup> Ed. make reference to CSA C22.2 No. 60950-1-07 and UL 60950-1- 2<sup>nd</sup> Ed with A1+A2; these Reference Documents (RD) are integral to standards CSA C22.2 No. 107.3-14 and UL 1778- 5<sup>th</sup> Ed.

### **MARKINGS**

The manufacturer is required to apply the following markings:

- Products shall be marked with the markings specified by the particular product standard.
- Products certified for Canada shall have all Caution and Warning markings in both English and French.

Additional bilingual markings not covered by the product standard(s) may be required by the Authorities Having Jurisdiction. It is the responsibility of the manufacturer to provide and apply these additional markings, where applicable, in accordance with the requirements of those authorities.

The products listed are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US (indicating that products have been manufactured to the requirements of both Canadian and U.S. Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada only.



## *Supplement to Certificate of Compliance*

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

### **Product Certification History**

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<b>Project</b>	<b>Date</b>	<b>Description</b>
80015465	Oct 17, 2019	Update of Report to include minor modifications in the list of critical components.
70214759	May 31, 2019	Update of Report to include addition of Model: XU2K0LLXXRCC.
70214760	April 16, 2019	Addition of Bypass Panel Models: Models: XS30ALLXXR2 and XS30ALLXXR2G in the list of critical components.
70194168	Sept 21, 2018	Update of Report to include minor modifications in the list of critical components.
70166141	May 02, 2018	Original Certification.