



Ref. Certif. No.

**US-42590-UL**

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

**CB TEST CERTIFICATE**

Product

Power Supply

Name and address of the applicant

NIPRON CO LTD  
2-57 OHAMA-CHO AMAGASAKI-SHI, Hyogo, 660-0095  
Japan

Name and address of the manufacturer

NIPRON CO LTD  
2-57 OHAMA-CHO AMAGASAKI-SHI, Hyogo, 660-0095  
Japan

Name and address of the factory

NIPRON CO LTD  
2-57 OHAMA-CHO AMAGASAKI-SHI, Hyogo, 660-0095  
Japan

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

☒ [Additional Information on page 2](#)

Ratings and principal characteristics

-Model mUZP-220-12x:  
Input AC 100-240 V, 50-60 Hz, 3.0 A, Output 12 V, 15 A (33.4 A peak)

☒ [Additional Information on page 2](#)

Trademark / Brand (if any)

None

Customer's Testing Facility (CTF) Stage used

Model / Type Ref.

mUZP-220-12x, mUZP-220-18x, mUZP-220-24x, mUZP-220-48x, mUZPS-220-12x

☒ [Additional Information on page 2](#)

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

**Additionally evaluated to:** EN 60601-1:2006, EN 60601-1:2006/A1:2013, EN 60601-1:2006/A12:2014, EN 60601-1:2006/A2:2021

The risk management requirements of the standard were not addressed  
National Differences: EU Group Differences, CA, US

☐ [Additional Information on page 2](#)

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

IEC 60601-1:2005, IEC 60601-1:2005/AMD1:2012,  
IEC 60601-1:2005/AMD2:2020

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

E358786-D6002-CB-1 issued on 2023-08-24

This CB Test Certificate is issued by the National Certification Body



- ☒ UL Solutions (US), 333 Pfingsten Rd IL 60062, Northbrook, USA
- ☐ UL Solutions (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK
- ☐ UL Solutions (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN
- ☐ UL Solutions (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

For full legal entity names see [www.ul.com/ncbnames](http://www.ul.com/ncbnames)

Date: 2023-08-24

Signature:

Jolanta M. Wroblewska



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**Factory(ies):**

NIPRON CO LTD

3249 OIZU INDUSTRIAL PARK IN OYODO KOGYO DANCHI OAZA-YAMAOIZU AZA-NAKAJIMA MEIWA-CHO TAKI-GUN MIE-KEN 515-0303

Japan

**Additional Model Detail(s):**

mUZP-220-12x, mUZP-220-18x, mUZP-220-24x, mUZP-220-48x, mUZPS-220-12x, mUZPS-220-18x, mUZPS-220-24x, mUZPS-220-48x, mUZP-220/520P-24x, (where x may be maximum 20 characters, any alphanumeric character, hyphen, slash or blank)

**Additional Ratings:**

-Model mUZP-220-12x:

Input AC 100-240 V, 50-60 Hz, 3.0 A, Output 12 V, 15 A (33.4 A peak)

-Model mUZP-220-12x with capacitor board1:

Input AC 100-240 V, 50-60 Hz, 3.0 A, Output 12 V, 15 A (33.4 A peak)

-Model mUZPS-220-12x:

Input AC 100-240 V, 50-60 Hz, 3.0 A or 3.0 A – 1.3 A, Output OUT1 [12 V, 15 A (33.4 A peak)], OUT2 [5 V, 1.5 A (2.0 A peak)] or [12 V, 0.63 A (0.85 A peak)] (OUT2 is output of Stand-by power supply)

-Model mUZP-220-18x:

Input AC 100-240 V, 50-60 Hz, 2.9 A, Output 18 V, 10 A (22.3 A peak)

-Model mUZP-220-18x with capacitor board1:

Input AC 100-240 V, 50-60 Hz, 3.0 A, Output 18 V, 10 A (22.3 A peak)

-Model mUZPS-220-18x:

Input AC 100-240 V, 50-60 Hz, 3.0 A or 3.0 A – 1.3 A, Output OUT1 [18 V, 10 A (22.3 A peak)], OUT2 [5 V, 1.5 A (2.0 A peak)] or OUT2 [12 V, 0.63 A (0.85 A peak)], OUT2 is output of Stand-by power supply.

-Model mUZP-220-24x:

Input AC 100-240 V, 50-60 Hz, 3.8 A, Output 24 V, 9.2 A (16.7 A peak)

-Model mUZP-220-24x with capacitor board1:

Input AC 100-240 V, 50-60 Hz, 3.8 A, Output 24 V, 9.2 A (16.7 A peak)

-Model mUZPS-220-24x:

Input AC 100-240 V, 50-60 Hz, 3.8 A or 3.8 A – 1.7 A, Output OUT1 [24 V, 9.2 A (16.7 A peak)], OUT2 [5 V, 1.5 A (2.0 A peak)] or OUT2 [12 V, 0.63 A (0.85 A peak)], OUT2 is output of Stand-by power supply.

**Additional information (if necessary)**



☒ UL Solutions (US), 333 Pfingsten Rd IL 60062, Northbrook, USA  
☐ UL Solutions (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK  
☐ UL Solutions (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN  
☐ UL Solutions (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

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**Additional Ratings Continued:**

-Model mUZP-220-48x:

Input AC 100-240 V, 50-60 Hz, 3.7 A, Output 48 V, 4.6 A (8.4 A peak)

-Model mUZP-220-48x with capacitor board1:

Input AC 100-240 V, 50-60 Hz, 3.8 A, Output 48 V, 4.6 A (8.4 A peak)

-Model mUZPS-220-48x:

Input AC 100-240 V, 50-60 Hz, 3.8 A or 3.8 A – 1.7 A, Output OUT1 [48 V, 4.6 A (8.4 A peak)], OUT2 [5 V, 1.5 A (2.0 A peak)] or OUT2 [12 V, 0.63 A (0.85 A peak)], OUT2 is output of Stand-by power supply.

-Model mUZP-220/520P-24x:

Input AC 100-240 V, 50-60 Hz, 3.8 A or 3.8 A – 1.7 A, Output OUT1 [24 V, 9.2 A (21.7 A peak)], OUT2 [5 V, 1.5 A (2.0 A peak)] or OUT2 [12 V, 0.63 A (0.85 A peak)], OUT2 is output of Stand-by power supply.

**Additional information (if necessary)**



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