



Ref. Certif. No.

JP-21271-M2-UL

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

CB TEST CERTIFICATE

Product

Switching Power Supply

Name and address of the applicant

NIPRON CO LTD
2-57 OHAMA-CHO AMAGASAKI-SHI HYOGO-KEN 660-0095
JAPAN

Name and address of the manufacturer

NIPRON CO LTD
2-57 OHAMA-CHO AMAGASAKI-SHI HYOGO-KEN 660-0095
JAPAN

Name and address of the factory

NIPRON CO LTD
2-57 OHAMA-CHO AMAGASAKI-SHI HYOGO-KEN 660-0095
JAPAN

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

☒ [Additional Information on page 2](#)

Ratings and principal characteristics

See page 2-3

Trademark / Brand (if any)

None

Customer's Testing Facility (CTF) Stage used

Model / Type Ref.

See page 2

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

The report was revised to include technical modifications.
Additionally evaluated to: EN 62368-1:2014/A11:2017.
National Differences specified in the CB Test Report.

☒ [Additional Information on page 3](#)

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

E161936-A6007-CB-1 issued on 2023-05-15

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

Date: 2023-05-15

Original Issue Date: 2019-11-11

Signature:

M. Takagi
Masamichi Takagi



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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

Model Detail(s):

OZP-350-12, mOZP-350-12, OZP-350-15, mOZP-350-15, OZP-350-24, mOZP-350-24, OZP-350-30, mOZP-350-30, OZP-350-36, mOZP-350-36, OZP-350-48, mOZP-350-48 (maybe followed by suffix "-xyfnnzghij", x: "J" or "T", y: "0" or "S", f: "0" or "E", n: Any number "0" to "9", any letter "A" to "Z" or blank, z: blank, "-0", "-C", "-K", or "-U", g: "-" or blank, h to j: Any number "0" to "9", any letter "A" to "Z" or blank)

OZPa-350-12V/bcd, OZPa-350-24V/bcd, OZPa-350-30V/bcd, OZPa-350-36V/bcd, and OZPa-350-48V/bcd (maybe followed by suffix "-xyfnnzghij", a: Any number "0" to "9" or any letter "a" to "z" or blank, b to d: Any number "0" to "9", any letter "A" to "Z" or blank, x: "J" or "T", y: "0" or "S", f: "0" or "E", n: Any number "0" to "9", any letter "A" to "Z" or blank, z: blank, "-0", "-C", or "-K", g: "-" or blank, h to j: Any number "0" to "9", any letter "A" to "Z" or blank)

Ratings:

OZP-350-12

Input: 100-240 Vac, 4.8 A, 50-60 Hz

Output: 12 Vdc, 25 A (42 or 58.3 Apeak)

mOZP-350-12, and OZPa-350-12V/bcd

Input: 100-240 Vac, 4.8 A, 50-60 Hz

Output: 12 Vdc, 25 A (42 Apeak)

OZP-350-15

Input: 100-240 Vac, 4.8A, 50-60 Hz

Output: 15 Vdc, 20 A (40 or 46.6 Apeak)

mOZP-350-15

Input: 100-240 Vac, 4.8A, 50-60 Hz

Output: 15 Vdc, 20 A (40 Apeak)

OZP-350-24

Input: 100-240 Vac, 5.5 A, 50-60 Hz

Output: 24 Vdc, 14.6 A (25 or 29.1 Apeak)

mOZP-350-24, and OZPa-350-24V/bcd

Input: 100-240 Vac, 5.5 A, 50-60 Hz

Output: 24 Vdc, 14.6 A (25 Apeak)

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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Ratings:

OZP-350-30

Input: 100-240 Vac, 5.5 A, 50-60 Hz

Output: 30 Vdc, 11.7 A (20 or 23.3 Apeak)

mOZP-350-30, and OZPa-350-30V/bcd

Input: 100-240 Vac, 5.5 A, 50-60 Hz

Output: 30 Vdc, 11.7 A (20 Apeak)

OZP-350-36

Input: 100-240 Vac, 5.5 A, 50-60 Hz

Output: 36 Vdc, 9.8 A (16.7 or 19.4 Apeak)

mOZP-350-36, and OZPa-350-36V/bcd

Input: 100-240 Vac, 5.5 A, 50-60 Hz

Output: 36 Vdc, 9.8 A (16.7 Apeak)

OZP-350-48

Input: 100-240 Vac, 5.5 A, 50-60 Hz

Output: 48 Vdc, 7.3 A (12.5 or 14.5 Apeak)

mOZP-350-48, and OZPa-350-48V/bcd

Input: 100-240 Vac, 5.5 A, 50-60 Hz

Output: 48 Vdc, 7.3 A (12.5 Apeak)

Summary of Modifications:

- Change description of model suffix.
- Addition of Material of Input Connector (CN1), Output Connector (CN8, CN10) (for models with suffix "J."), Connector (CN3), Type PA66-RNG00.
- Addition of alternate Base of Inductors (LF1, LF2), Type LUPOX GP1006FD.
- Deletion of Insulation Tape of Inductor (L3) in Table 4.1.2.
- Change current rating of FET (Q2), from minimum 40A to minimum 30A.
- Addition of manufacturer of Transformer (T1), Types MT1615X and MT1616X, Shenzhen Jewel Electronic Co., Ltd.
- Addition of alternate Optical Isolators (PC1, PC2, PC4, PC5, PC500), Type LTV-816.
- Deletion of Transformer (T3), Type CT1054 in Table 4.1.2.
- Reevaluation of sub-clause Annex G.3.4 and G.3.5.
- Minor correction of Table 4.1.2 not affecting safety.

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