



Ref. Certif. No.

**JP-12437-A2-UL**

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

**CB TEST CERTIFICATE**

Product DC 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  
☐ Additional Information on page 2

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

Ratings and principal characteristics See Page 2

Trademark / Brand (if any) None

Customer's Testing Facility (CTF) Stage used

Model / Type Ref. HPCSF-400Px, mHPCSF-400Px  
(where x maybe maximum 50 characters, any alphanumeric character, hyphen or blank, which denotes control number)

Additional information (if necessary may also be reported on page 2) The report was revised to include technical modifications.  
National Differences specified in the CB Test Report.  
☒ Additional Information on page 2

A sample of the product was tested and found to be in conformity with IEC 60950-1:2005, IEC 60950-1:2005/AMD1:2009,  
IEC 60950-1:2005/AMD2:2013

As shown in the Test Report Ref. No. which forms part of this Certificate E161936-A58-CB-2 issued on 2023-09-13

This CB Test Certificate is issued by the National Certification Body



☐ UL Solutions (US), 333 Pfingsten Rd IL 60062, Northbrook, USA  
☐ UL Solutions (Denko), 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: 2023-09-13  
Original Issue Date: 2015-06-25

Signature:

*M. Takagi*  
Masamichi Takagi



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**Ratings:**

AC INPUT: 100 V-240 V, 3.8 A-1.6 A, 50/60 Hz

DC OUTPUT:

CH1: 3.3 Vdc, maximum 16 A (peak 20 A)

CH2: 5 Vdc, maximum 16 A (peak 20 A)

CH3: 12 Vdc, maximum 25 A (peak 30 A)

CH4: -12 Vdc, maximum 0.5 A (peak 0.5 A)

CH5: 5VSB, 2 A (maximum 2 A (peak 3 A)

Peak: maximum 5 seconds

Interval: 45 seconds

Total Wattage: 310 W maximum (CH1+CH2: 90 W maximum, CH3: 300 W maximum, CH4: 6 W maximum, CH5: 10 W maximum)

Total Peak Wattage: 400 W maximum (CH1+CH2: 120 W maximum, CH3: 360 W maximum, CH4: 6 W maximum, CH5: 15 W maximum)

**Summary of Modifications:**

- Addition of model mHPCSF-400Px.
- Modification of rating information due to matching the marking plate.
- Addition of alternate Fuses (F401, F402), Type 215.
- Addition of Insulation tube (for F401, F402, Type 215), Type Sumitube F2(Z).
- Addition of Fuse holder (for F401, F402, Type 215), Type FUSCV-1.
- Addition of alternate Line to Line Capacitors (C101, C102), Type LE.
- Addition of Line to Earth Capacitors (C103, C104), Types KY and SA.
- Addition of alternate shape of Transistor (Q101).
- Addition of alternate Resistor (R116) (for 6255P1 Board only)
- Addition of alternate shape of Heatsink (HS102) for Transistors (Q101, Q103, Q104, Q151).
- Deletion of Insulation Tape of Transformers (T101, T102), Types 553H-UL, 573H-UL, and 371F.
- Correction of type of Optocouplers (PC101, PC102, PC103, PC104), from "PS2561A-1" to "PS2561AL-1".
- Addition of alternate Optocouplers (PC101, PC102, PC103, PC104), Types PS2561DL-1, TLP785, and LTV-816.
- Addition of alternate PWB of 6164P1, 6164P2, 6164P3, 6164P4, 6164P5, 6164P6, Types 6255P1, 6255P2, 6255P3, P6206P4 or 6255P4 or 6257P4, 6255P5, 6255P6 respectively. (P6206P4 and 6257P4 are identical to 6164P4 and 6255P4 respectively except for silk pattern of F401, F402, and used in Model mHPCSF-400Px only)
- Addition of alternate Insulation Sheet, Type FR-02.
- Addition of tropical climatic conditions consideration.
- Deletion of Australia/New Zealand, China, Japan, Korea National Differences.
- Minor correction of Table 1.5.1 not affecting safety.

**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
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Masamichi Takagi