



Ref. Certif. No.

JP-21632-M1-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
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. Additionally evaluated to EN 62368-1:2014/ A11:2017. National Differences specified in the CB Test Report.
A sample of the product was tested and found to be in conformity with	
As shown in the Test Report Ref. No. which forms part of this Certificate	

☒ Additional Information on page 2

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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: 2023-09-20
Original Issue Date: 2020-03-24

Signature:

M. Takagi

Masamichi Takagi



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Factory(ies):

NIPRON CO LTD
282-17 Nishiyama Taki-cho Taki-gun Mie 519-2171
JAPAN

Ratings:

AC INPUT:

100V-240V~, 3.8A-1.6A, 50/60Hz

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, 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.

- Change factory address as below.

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

To: 282-17 Nishiyama Taki-cho Taki-gun Mie 519-2171 JAPAN

- 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.

- Change capacity of Line to Line Capacitors (C101, C102), from maximum 1.0μF to 1.0μF

- 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 FET (Q107), Type TK2P90E.

- 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), Type 371F.

- Correction of type of Optocouplers (PC101, PC102, PC103, PC104), from "PS2561A-1" to "PS2561AL-1".

- Addition of alternate Optocouplers (PC101, PC102, PC103, PC104), Type 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 tropical climatic condition consideration.

- Replacement of Enclosure Id. 04-07 (Specification of Transformer (T103))

- Minor correction of Table 4.1.2 not affecting safety.

Additional information (if necessary)



☐ 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
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