

CERTIFICATE OF COMPLIANCE

Certificate Number 20181205-E132067
Report Reference E132067-A83-UL
Issue Date 2018-DECEMBER-05

Issued to: COSEL CO LTD
 1-6-43 KAMIAKAE-MACHI
 TOYAMA-SHI
 TOYAMA 930-0816 JAPAN

**This certificate confirms that
 representative samples of**

COMPONENT - POWER SUPPLIES, INFORMATION
 TECHNOLOGY EQUIPMENT INCLUDING ELECTRICAL
 BUSINESS EQUIPMENT
 See Addendum page

Have been investigated by UL in accordance with the
 component requirements in the Standard(s) indicated on
 this Certificate. UL Recognized components are incomplete
 in certain constructional features or restricted in
 performance capabilities and are intended for installation in
 complete equipment submitted for investigation to UL LLC.

Standard(s) for Safety: UL 60950-1 and CAN/CSA C22.2 No. 60950-1-07,
 Information Technology Equipment - Safety - Part 1:
 General Requirements

Additional Information: See the UL Online Certifications Directory at
<https://iq.ulprospector.com> for additional information.

This *Certificate of Compliance* does not provide authorization to apply the UL Recognized Component Mark.

Only those products bearing the UL Recognized Component Mark should be considered as being UL Certified
 and covered under UL's Follow-Up Services.

Look for the UL Recognized Component Mark on the product.



Bruce Mahrenholz, Director North American Certification Program
 UL LLC

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 contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



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This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

DC-DC Converter, Models: CHS40024x, CHS40048y and CHS5004812

x is 12, 15, 24, 28, 32 or 48,

y is 10, 12, 12H, 15, 24, 28, 32 or 48

May be followed by suffix -zzzzzzzz#####

(z is B, BC, BF, I, R, U, S, L\$\$\$\$\$, P or blank, # is any number 0 to 9 or any letter A to Z or blank; \$ is any number 0 to 9 or any letter A to Z or blank)



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