

**IECEE**

TM

Ref. Certif. No.

JPTUV-134106-A1/M1

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

Product

AC-DC Converter

Name and address of the applicant

Cosel Co., Ltd.
1-6-43 Kamiakae-machi
Toyama-shi, Toyama, 930-0816 Japan

Name and address of the manufacturer

Cosel Co., Ltd.
1-6-43 Kamiakae-machi
Toyama-shi, Toyama, 930-0816 Japan

Name and address of the factory

See additional page(s)

Ratings and principal characteristics

Input: 1) AC 100 - 240 V; 50 - 60 Hz; 3.6 A; Class I
2) AC 100 - 240 V; 50 - 60 Hz; 6.0 A; Class I
3) AC 100 - 240 V; 50 - 60 Hz; 8.6 A; Class I

Output: 12 V (xx = 12);
28 V (xx = 28);
48 V (xx = 48)

Trademark (if any)

COSEL

Customer's Testing Facility (CTF) Stage used

CTF Stage 1

Model / Type Ref.

1) TUNS300Fxx
2) TUNS500Fxx
3) TUNS700Fxx
may be followed by -#####@###
(xx = 12, 28, 48; # = 0 - 9, A - Z or blank
% = 0 - 9, A - Y or blank; @ = - or blank)

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

For model differences, refer to the test report.
Re-issue of JPTUV-134106-A1 dated 15.11.2023,
due to first modification.

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

IEC 62368-1:2018
See Test Report for National Differences

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

JP229V4P 003

This CB Test Certificate is issued by the National Certification Body

**TÜVRheinland®**

TÜV Rheinland Japan Ltd.
Global Technology Assessment Center
4-25-2 Kita-Yamata, Tsuzuki-ku
Yokohama 224-0021, Japan
Phone + 81 45 914-3888
Fax + 81 45 914-3354
Mail: info@jpn.tuv.com
Web : www.tuv.com

Date: 2024-02-19

Signature:

Tetsuya Hashimoto

1. Cosel Co., Ltd.
Tateyama Factory
78 Dogenji, Tateyama-machi
Nakaniiikawa-gun, Toyama
930-0241 Japan
2. Eikoku Co., Ltd.
45-6 Nishida Kaneoke, Kokufu-cho
Takayama-shi, Gifu
509-4123 Japan
3. Takanami Co., Ltd.
2000-39 Hirokami
Imizu-shi, Toyama
939-0256 Japan
4. Kyousei Corp.
501-1-2 Nakaoookubo
Toyama-shi, Toyama
939-2243 Japan
5. Cosel Co., Ltd.
Toyama Factory
1-6-43 Kamiakae-machi
Toyama-shi, Toyama
930-0816 Japan
6. Daiyon Corp.
1-18 Zoushima, Fuchu-machi,
Toyama-shi, Toyama
939-2726 Japan
7. Eikoku Co., Ltd.
Toyama Satellite Factory
223 Nakajinzu Yatsuo-Machi
Toyama-shi, Toyama
939-2311 Japan

Additional information (if necessary)

Report Ref. No. : JP229V4P 003

Date: 2024-02-19

Signature:



Tetsuya Hashimoto

8. Sunrise Industries Co., Ltd.
2-24-6 Terajima
Itoigawa-shi, Niigata
941-0066 Japan
9. Wuxi Cosel Electronics Co., Ltd.
5th Floor, Building A3,
Liyuan Development Zone, Wuxi,
214072 Jiangsu
P.R. China
10. HOKUICHI DENKI CO., LTD
40-8 Matsuzawa,
Murakami-shi, Niigata,
959-3427 Japan

Additional information (if necessary)

Report Ref. No. : JP229V4P 003

Date: 2024-02-19

Signature:



Tetsuya Hashimoto

**IECEE**

TM

Ref. Certif. No.

JPTUV-134106-A1

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

Product

AC-DC Converter

Name and address of the applicant

Cosel Co., Ltd.
1-6-43 Kamiakae-machi
Toyama-shi, Toyama, 930-0816 Japan

Name and address of the manufacturer

Cosel Co., Ltd.
1-6-43 Kamiakae-machi
Toyama-shi, Toyama, 930-0816 Japan

Name and address of the factory

See additional page(s)

Ratings and principal characteristics

Input: 1) AC 100 - 240 V; 50 - 60 Hz; 3.6 A; Class I
2) AC 100 - 240 V; 50 - 60 Hz; 6.0 A; Class I
3) AC 100 - 240 V; 50 - 60 Hz; 8.6 A; Class I

Output: 12 V (xx = 12);
28 V (xx = 28);
48 V (xx = 48)

Trademark (if any)

COSEL

Customer's Testing Facility (CTF) Stage used

CTF Stage 1

Model / Type Ref.

1) TUNS300Fxx
2) TUNS500Fxx
3) TUNS700Fxx
may be followed by -#####@###
(xx = 12, 28, 48; # = 0 - 9, A - Z or blank
% = 0 - 9, A - Y or blank; @ = - or blank)

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

For model differences, refer to the test report.
Re-issue of JPTUV-134106 dated 14.04.2022,
due to non-technical change.

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

IEC 62368-1:2018
See Test Report for National Differences

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

JP229V4P 002

This CB Test Certificate is issued by the National Certification Body

**TÜVRheinland®**

TÜV Rheinland Japan Ltd.
Global Technology Assessment Center
4-25-2 Kita-Yamata, Tsuzuki-ku
Yokohama 224-0021, Japan
Phone + 81 45 914-3888
Fax + 81 45 914-3354
Mail: info@jpn.tuv.com
Web : www.tuv.com

Date: 2023-11-15

Signature:

Koji Horiuchi

1. Cosel Co., Ltd.
Tateyama Factory
78 Dogenji, Tateyama-machi
Nakaniiikawa-gun, Toyama
930-0241 Japan
2. Eikoku Co., Ltd.
45-6 Nishida Kaneoke, Kokufu-cho
Takayama-shi, Gifu
509-4123 Japan
3. Takanami Co., Ltd.
2000-39 Hirokami
Imizu-shi, Toyama
939-0256 Japan
4. Kyousei Corp.
501-1-2 Nakaoookubo
Toyama-shi, Toyama
939-2243 Japan
5. Cosel Co., Ltd.
Toyama Factory
1-6-43 Kamiakae-machi
Toyama-shi, Toyama
930-0816 Japan
6. Daiyon Corp.
1-18 Zoushima, Fuchu-machi,
Toyama-shi, Toyama
939-2726 Japan
7. Eikoku Co., Ltd.
Toyama Satellite Factory
223 Nakajinzu Yatsuo-Machi
Toyama-shi, Toyama
939-2311 Japan

Additional information (if necessary)

Report Ref. No. : JP229V4P 002



Date: 2023-11-15

Signature:

Koji Horiuchi

8. Sunrise Industries Co., Ltd.
2-24-6 Terajima
Itoigawa-shi, Niigata
941-0066 Japan
9. Wuxi Cosel Electronics Co., Ltd.
5th Floor, Building A3,
Liyuan Development Zone, Wuxi,
214072 Jiangsu
P.R. China
10. HOKUICHI DENKI CO., LTD
40-8 Matsuzawa,
Murakami-shi, Niigata,
959-3427 Japan

Additional information (if necessary)

Report Ref. No. : JP229V4P 002



Date: 2023-11-15

Signature:

Koji Horiuchi



Ref. Certif. No.

JPTUV-134106

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

CB TEST CERTIFICATE

Product

AC-DC Converter

Name and address of the applicant

Cosel Co., Ltd.
1-6-43 Kamiakae-machi
Toyama-shi, Toyama, 930-0816 Japan

Name and address of the manufacturer

Cosel Co., Ltd.
1-6-43 Kamiakae-machi
Toyama-shi, Toyama, 930-0816 Japan

Name and address of the factory

See additional page(s)

Ratings and principal characteristics

Input: 1) AC 100 - 240 V; 50 - 60 Hz; 3.6 A; Class I
2) AC 100 - 240 V; 50 - 60 Hz; 6.0 A; Class I
3) AC 100 - 240 V; 50 - 60 Hz; 8.6 A; Class I
Output: 12 V (xx = 12);
28 V (xx = 28);
48 V (xx = 48)

Trademark (if any)

COSEL

Customer's Testing Facility (CTF) Stage used

CTF Stage 1

Model / Type Ref.

1) TUNS300Fxx
2) TUNS500Fxx
3) TUNS700Fxx
may be followed by -#####@###
(xx = 12, 28, 48; # = 0 - 9, A - Z or blank
% = 0 - 9, A - Y or blank; @ = - or blank)

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

For model differences, refer to the test report.

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

IEC 62368-1:2018
See Test Report for National Differences

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

JP229V4P 001

This CB Test Certificate is issued by the National Certification Body



TÜV Rheinland Japan Ltd.
Global Technology Assessment Center
4-25-2 Kita-Yamata, Tsuzuki-ku
Yokohama 224-0021, Japan
Phone + 81 45 914-3888
Fax + 81 45 914-3354
Mail: info@jpn.tuv.com
Web: www.tuv.com

Date: 2022-04-14

Signature:

Dipl.-Ing. (FH) M. Geiser

1. Cosel Co., Ltd.
Tateyama Factory
78 Dogenji, Tateyama-machi
Nakaniikawa-gun, Toyama
930-0241 Japan
2. Eikoku Co., Ltd.
45-6 Nishida Kaneoke, Kokufu-cho
Takayama-shi, Gifu
509-4123 Japan
3. Takanami Co., Ltd.
2000-39 Hirokami
Imizu-shi, Toyama
939-0256 Japan
4. Kyousei Corp.
501-1-2 Nakaoookubo
Toyama-shi, Toyama
939-2243 Japan
5. Cosel Co., Ltd.
Toyama Factory
1-6-43 Kamiakae-machi
Toyama-shi, Toyama
930-0816 Japan
6. Daiyon Corp.
1-18 Zoushima, Fuchu-machi,
Toyama-shi, Toyama
939-2726 Japan
7. Eikoku Co., Ltd.
Toyama Satellite Factory
223 Nakajinzu Yatsuo-Machi
Toyama-shi, Toyama
939-2311 Japan

Additional information (if necessary)

Report Ref. No. : JP229V4P 001



Date: 2022-04-14

Signature:

Dipl.-Ing. (FH) M. Geiser

8. Sunrise Industries Co., Ltd.
2-24-6 Terajima
Itoigawa-shi, Niigata
941-0066 Japan
9. Wuxi Cosel Electronics Co., Ltd.
5th Floor, Building A3,
Liyuan Development Zone, Wuxi,
214072 Jiangsu
P.R. China

Additional information (if necessary)

Report Ref. No. : JP229V4P 001



Date: 2022-04-14

Signature:

Dipl.-Ing. (FH) M. Geiser