

Certificate of Registration

This is to certify that the
QUALITY MANAGEMENT SYSTEM

of

Chu Lei Electric Co., Ltd.

No. 18, Ln. 38, Daren Rd., Taoyuan Dist., Taoyuan City, TAIWAN, R.O.C.

for

Design, Manufacture and Sales of Transformers and Reactors

has been assessed and registered against the provisions of

ISO 9001:2015

International Standard with

Registration Number: UCS-Q-09-783
Registration Date : 28 Aug., 2009
Issue Date : 27 Aug., 2018
Expiration Date : 27 Aug., 2021
Certification Approved :



UNIVERSAL CERTIFICATION SERVICE CO., LTD.

Management System
Certification
MS000

1. This certificate is the property of Universal Certification Service Co., Ltd. 4F-1, No. 21, Sec. 4, Jingping E. Rd., Songshan District, Taipei City, Taiwan, R.O.C.
2. The registration information and authenticity of this certificate can be confirmed at www.ucs.com.tw.
3. Registration is subject to the management system being continually maintained in the above standard under regular surveillance audit. Should surveillance audit not indicate when required, registration shall be renewed.

Certificate of Registration

This is to certify that the
ENVIRONMENTAL MANAGEMENT SYSTEM

of

Chu Lei Electric Co., Ltd.

No. 18, Ln. 38, Daren Rd., Taoyuan Dist., Taoyuan City, TAIWAN, R.O.C.

for

**Design, Manufacture and Sales of
Transformers and Reactors**

has been assessed and registered against the provisions of

ISO 14001:2015

International Standard with

Registration Number: UCS-E-15-006
Registration Date : 11 Mar., 2013
Issue Date : 12 Jun., 2018
Expiration Date : 12 Mar., 2019
Certification Approved :



UNIVERSAL CERTIFICATION SERVICE CO., LTD.

Management System
Certification
MS000

1. This certificate is the property of Universal Certification Service Co., Ltd. 4F-1, No. 21, Sec. 4, Jingping E. Rd., Songshan District, Taipei City, Taiwan, R.O.C.
2. The registration information and authenticity of this certificate can be confirmed at www.ucs.com.tw.
3. Registration is subject to the management system being continually maintained in the above standard under regular surveillance audit. Should surveillance audit not indicate when required, registration shall be renewed.

Certificate of Registration

This is to certify that the
**OCCUPATIONAL HEALTH SAFETY
MANAGEMENT SYSTEM**

of

Chu Lei Electric Co., Ltd.

No. 18, Ln. 38, Daren Rd., Taoyuan Dist., Taoyuan City, TAIWAN, R.O.C.

for

**Design, Manufacture and Sales of
Transformers and Reactors**

has been assessed and registered against the provisions of

OHSAS 18001:2007

International Standard with

Registration Number: 1303MA10014
Registration Date : 13 Aug., 2013
Issue Date : 12 Aug., 2019
Expiration Date : 11 Mar., 2021
Cycle Start Date : 13 Aug., 2019
Certification Approved :



UNIVERSAL CERTIFICATION SERVICE CO., LTD.

1. This certificate is the property of Universal Certification Service Co., Ltd. 4F-1, No. 21, Sec. 4, Jingping E. Rd., Songshan District, Taipei City, Taiwan, R.O.C.
2. The registration information and authenticity of this certificate can be confirmed at www.ucs.com.tw.
3. Registration is subject to the management system being continually maintained in the above standard under regular surveillance audit. Should surveillance audit not indicate when required, registration shall be renewed.

CERTIFICATE OF COMPLIANCE

Certificate Number: 20150720-E474667
Report Reference: E474667-20150720
Issue Date: 2015-JULY-20

Issued to: Chu Lei Electric Co Ltd
18 Lane 50 Daren Road Taoyuan District
Taoyuan City
33068 TAIWAN

This is to certify that
representative samples of COMPONENT - POWER AND GENERAL-PURPOSE
TRANSFORMERS, DRY TYPE
Component - Dry Type Transformers, Models DT150-
3838DY and DT500-3819DY

Have been investigated by UL in accordance with the
Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 1561, Standard for Dry-Type General Purpose and
Power Transformers
CSA C22.2 No. 47, Air-Cooled Transformer (Dry Type)
IEEE C57.12.91, Standard Test Code for Dry-Type
Distribution and Power Transformers

Additional Information: See the UL Online Certifications Directory at
www.ul.com/certbase for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's
Certification and Follow-Up Service.

Recognized components are incomplete in certain constructional features or restricted in performance
capabilities and are intended for use as components of complete equipment submitted for investigation rather
than for direct separate installation in the field. The final acceptance of the component is dependent upon its
installation and use in complete equipment submitted to UL LLC.

Look for the UL Certification Mark on the product.

UL LLC
13520 Midway, Suite 300, Skokie, IL 60076, USA
www.ul.com





Certificate No. : L251-18012

財團法人全國認證基金會
Taiwan Accreditation Foundation

Certificate of Accreditation

This is to certify that

CHU LEI ELECTRIC CO., LTD
POWER LABORTORY

No. 18, Ln.50, Daren Rd., Taoyuan Dist., Taoyuan City 330, Taiwan (R.O.C.)

is accredited in respect of laboratory

Accreditation Criteria : ISO/IEC 17025:2005
 Accreditation Number : 2531
 Originally Accredited : March 22, 2012
 Effective Period : March 22, 2018 to March 21, 2021
 Accredited Scope : Testing Field, see described in the Appendix

*Chung-Lin Wang*Chung-Lin Wang
President, Taiwan Accreditation Foundation
Date : March 12, 2018

PL, total 3 pages

The Appendix forms an integral part of this Certificate, which shall be invalid when not attached to the Appendix



Certificate No. : L251-18013

財團法人全國認證基金會
Taiwan Accreditation Foundation

Accreditation Number : 2531

Laboratory Head : TSAI, Sheng-Fu

■ 31.02 Electrical power equipment
 TRANSFORMERS-Oil-immersed transformer
 E006
 1. Measurement of voltage ratio and check of phase displacement.
 2. Measurement of winding resistance
 3. Measurement of no-load loss and current.
 4. Measurement of short-circuit impedance and load loss
 5. Separate source AC withstand voltage test
 6. Induced AC voltage tests
 7. Temperature rise tests
 8. Audible sound-level measurements
 9. Insulation resistance tests
 10.1. lightning impulse voltage test
 CNS 598 (2017)
 IEC 60076-1 (2011)
 IEC 60076-2 (2011)
 IEC 60076-3 (2013)
 IEC 60076-10 (2016)
 1 φ, 2500 kVA Max., 24 kV Max., 60 Hz
 3 φ, 5000 kVA Max., 24 kV Max., 60 Hz

Approval Signatory: SU, Cho-Ming; SU, Lung-Chin

■ 31.02 Electrical power equipment
 Transformer-Dry Type (Cast Resin Dry Type) Transformer
 E006
 1. Measurement of voltage ratio and check of phase displacement.
 2. Measurement of winding resistance
 3. Measurement of no-load loss and current.
 4. Measurement of short-circuit impedance and load loss
 5. Separate source AC withstand voltage test
 6. Induced AC voltage tests
 7. Temperature rise tests
 8. Partial discharge measurements
 9. Audible sound-level measurements
 10. Insulation resistance tests
 11.1. lightning impulse voltage tests
 CNS 13380 (2011)
 IEC 60076-1 (2011)
 IEC 60076-2 (2011)
 IEC 60076-3 (2013)
 IEC 60076-10 (2016)
 IEC 60076-11 (2006)

PL, total 3 pages

The Appendix forms an integral part of this Certificate, which shall be invalid when not attached to the Appendix



Certificate No. : L251-18012

財團法人全國認證基金會
Taiwan Accreditation FoundationIEC 60270 (2015)
1 φ, 2000 kVA Max., 24 kV Max., 60 Hz
3 φ, 3000 kVA Max., 24 kV Max., 60 Hz

Approval Signatory: SU, Cho-Ming; SU, Lung-Chin

(Null below)

PL, total 3 pages

The Appendix forms an integral part of this Certificate, which shall be invalid when not attached to the Appendix

000236

新北電機甲字第 DD100068 號

新北市政府電器承裝業登記執照

茲據 巨磊電機股份有限公司 申請電器承裝業登記，經審查合格，特發給 甲級 登記執照並登記事項如下：

- 一、公司行號名稱：巨磊電機股份有限公司
- 二、負責人姓名：蔡生福
- 三、營業地址：新北市新莊區豐年街壹一巷7之2號
- 四、實收資本額：新臺幣壹仟伍佰萬元整
- 五、登記類別：甲級
- 六、設立登記日期：100年10月11日
- 七、本執照有效期限至105年10月10日

市長 朱立倫

中華民國 100 年 10 月 11 日



MOEA

證書號碼：10103010040 號

高壓用電設備原製造廠家 認可登記證

茲據 巨磊電機股份有限公司桃園廠
 (地址：桃園縣桃園市大仁路 50 巷 18 號)
 申請高壓用電設備原製造廠家認可，業經查核相
 符，依據「屋內線路裝置規則」第 401 條之規定
 認可，登記事項如下：
 初次認可日期：101 年 10 月 11 日
 認可有效期間：101 年 10 月 11 日至 106 年 10 月 10 日
 (本證書有效期限屆滿前 3 個月申請展延，即可參加該項有效期限展延或再核力)
 認可範圍：詳見續頁

經濟部部長

施顏祥



中華民國 101 年 10 月 11 日

第一頁，共二頁



MOEA

證書號碼：10103010040 號

高壓用電設備原製造廠家 認可登記證(續頁)

認可範圍
 高壓用電設備項目：電力及配電變壓器
 產品類別及規格：配電變壓器，油浸式：
 3Φ, 24kV Max, 5000kVA Max, 60Hz
 配電變壓器，乾式(模塊式)：
 3Φ, 24kV Max, 3000kVA Max, 60Hz
 試驗類型：出廠試驗
 試驗項目：
 1. 繞組電阻測定
 2. 匝比及相位試驗
 3. 負載損耗及阻抗電壓測定
 4. 無載損耗及無載電流測定
 5. 高頻耐電壓試驗
 6. 感應電壓試驗
 試驗範圍：同產品類別及規格
 試驗標準：CNS 500(85);CNS 500(85);CNS 13300(90);
 IEC 60076-1(2011); IEC 60076-3(2000);
 IEC 60076-11(2004)
 報告簽署人：蔡啟經、蔡德欽
 其他註記事項：無

(以下空白)

第二頁，共二頁



證書編號：環標字第 11654 號
Certificate No.11654

環保標章使用證書 Certificate for the Use of Green Mark

茲據 巨磊電機股份有限公司
 申請環保標章產品認證，經核相符，頒發使用證書並摘錄認證事項如下：
 This is to certify that the following products from Chu Lei Electric Co., Ltd. comply with
 Green Mark's environmental specifications and are licensed to use the Green Mark logo:

- 產品名稱：樹脂式變壓器
Product: Resin Molded Transformer
- 型號 / 型式：CL M 750
Model Number
- 符合規格項目：乾式變壓器
Product Category: Dry Type Transformers
桃園市桃園區大仁路 50 巷 18 號
No. 18, Ln. 50, Daren Rd., Taoyuan Dist.,
Taoyuan City 330, Taiwan (R.O.C.)
- 廠商地址：巨磊電機股份有限公司桃園廠
Holder Address: Chu Lei Electric Co., Ltd. (Taoyuan)
桃園市桃園區大仁路 50 巷 18 號
No. 18, Ln. 50, Daren Rd., Taoyuan Dist.,
Taoyuan City 330, Taiwan (R.O.C.)
- 生產廠場名稱及地址：Name & Address of Manufacturer
- 有效期限：自 中華民國 一〇四年六月十三日起
至 中華民國 一〇七年六月十二日止
Valid Date: Effective Date: 2015 / 06 / 13 /
Valid Until: 2018 / 06 / 12 /
- 驗證機構：財團法人台灣電子檢驗中心
Examine Organization: Electronics Testing Center, Taiwan

魏國彥

行政院環境保護署署長
Minister WEI, Kuo-Yen
Environmental Protection Administration, Executive Yuan, Taipei, Taiwan

中華民國 105 年 06 月 12 日
Date Issued: 2015 / 06 / 12



證書編號：環標字第 8806 號(換發新證)
Certificate No.8806

環保標章使用證書 Certificate for the Use of Green Mark

茲據 巨磊電機股份有限公司
 申請環保標章產品認證，經核相符，頒發使用證書並摘錄認證事項如下：
 This is to certify that the following products from Chu Lei Electric Co., Ltd. comply with
 Green Mark's environmental specifications and are licensed to use the Green Mark logo:

- 產品名稱：非晶質油浸式變壓器
Product: Amorphous Oil-immersed Transformer
- 型號 / 型式：500kVA
Model Number
- 符合規格項目：變壓器
Product Category: Transformers
桃園市桃園區大仁路 50 巷 18 號
No. 18, Ln. 50, Daren Rd., Taoyuan Dist.,
Taoyuan City 330, Taiwan (R.O.C.)
- 廠商地址：巨磊電機股份有限公司桃園廠
Holder Address: Chu Lei Electric Co., Ltd. (Taoyuan)
桃園市桃園區大仁路 50 巷 18 號
No. 18, Ln. 50, Daren Rd., Taoyuan Dist.,
Taoyuan City 330, Taiwan (R.O.C.)
- 生產廠場名稱及地址：Name & Address of Manufacturer
- 有效期限：自 中華民國 一〇五年三月三十日起
至 中華民國 一〇八年三月二十九日止
Valid Date: Effective Date: 2016 / 03 / 30 /
Valid Until: 2019 / 03 / 29 /
- 驗證機構：財團法人台灣電子檢驗中心
Examine Organization: Electronics Testing Center, Taiwan

魏國彥

行政院環境保護署署長
Minister WEI, Kuo-Yen
Environmental Protection Administration, Executive Yuan, Taipei, Taiwan

中華民國 105 年 03 月 29 日
Date Issued: 2015 / 03 / 29





證書編號：環標字第 8806 號
Certificate No. 8806

環保標章使用證書 Certificate for the Use of Green Mark

茲 據 巨磊電機股份有限公司
申請環保標章產品認證，經核相符，頒發使用證書並摘錄驗證事項如下：
This is to certify that the following products from Chu Lei Electric Co., Ltd. comply with Green Mark's environmental specifications and are licensed to use the Green Mark logo:

- 一、產品名稱：非晶質高壓油浸式變壓器(500kVA)
Product: Amorphous Oil-Immersed Transformer(500kVA)
- 二、型號：-
Model Number
- 三、符合規格項目：變壓器
Product Category: Transformers
- 四、廠商地址：桃園縣桃園市大仁路50巷18號
No. 18, Ln. 50, Daren Rd., Taoyuan City, Taoyuan County 330, Taiwan (R.O.C.)
- 五、代表人姓名：蔡生福 Sheng-Fu, Cai
Holder Representative
- 六、生產廠場名稱及地址：巨磊電機股份有限公司桃園廠
Chu Lei Electric Co., Ltd. (Taoyuan)
桃園縣桃園市大仁路50巷18號
No. 18, Ln. 50, Daren Rd., Taoyuan City, Taoyuan County 330, Taiwan (R.O.C.)
- 七、主要環保特性：省能源、低污染
Major Environmental Performance Characteristics: Energy Saving and Low Pollution
- 八、有效期限：自中華民國一〇二年三月三十日起至
Effective Date: 2013-03-30 / Valid Until: 2014-03-29
- 九、驗證機構：財團法人環境與發展基金會
Ety Environment and Development Foundation

行政院環境保護署署長
Minister SHEN, Stephen Shun-feng
Environmental Protection Administration, Executive Yuan, R.O.C. (Taiwan)

中華民國一〇二年三月二十九日
Date Issued: 2013-03-29



證書編號：環標字第 11654 號
Certificate No. 11654

環保標章使用證書 Certificate for the Use of Green Mark

茲 據 巨磊電機股份有限公司
申請環保標章產品認證，經核相符，頒發使用證書並摘錄驗證事項如下：
This is to certify that the following products from Chu Lei Electric Co., Ltd. comply with Green Mark's environmental specifications and are licensed to use the Green Mark logo:

- 一、產品名稱：模鑄式變壓器
Product: Resin Molded Transformer
- 二、型號 / 型式：CL-M-750
Model Number
- 三、符合規格項目：乾式變壓器
Product Category: Dry Type Transformers
- 四、廠商地址：桃園市桃園區大仁路50巷18號
No. 18, Ln. 50, Daren Rd., Taoyuan Dist., Taoyuan City 330, Taiwan (R.O.C.)
- 五、生產廠場名稱及地址：巨磊電機股份有限公司桃園廠
Chu Lei Electric Co., Ltd. (Taoyuan)
桃園市桃園區大仁路50巷18號
No. 18, Ln. 50, Daren Rd., Taoyuan Dist., Taoyuan City 330, Taiwan (R.O.C.)
- 六、有效期限：自中華民國一〇四年六月十三日起至
Effective Date: 2015-06-13 / Valid Until: 2018-06-12
- 七、驗證機構：財團法人台灣電子檢驗中心
Electronics Testing Center, Taiwan

行政院環境保護署署長
Minister WEI, Kuo-Yen
Environmental Protection Administration, Executive Yuan, R.O.C. (Taiwan)

中華民國一〇四年六月十二日
Date Issued: 2015-06-12



證書編號：環標字第 14462 號
Certificate No. 14462

環保標章使用證書 Certificate for the Use of Green Mark

茲 據 巨磊電機股份有限公司
申請環保標章產品認證，經核相符，頒發使用證書並摘錄驗證事項如下：
This is to certify that the following products from Chu Lei Electric Co., Ltd. comply with Green Mark's environmental specifications and are licensed to use the Green Mark logo:

- 一、產品名稱：非晶質油浸式變壓器
Product: Amorphous Oil-Immersed Transformer
- 二、型號 / 型式：1000kVA
Model Number
- 三、符合規格項目：變壓器
Product Category: Transformers
- 四、廠商地址：桃園市桃園區大仁路50巷18號
No. 18, Ln. 50, Daren Rd., Taoyuan Dist., Taoyuan City 330, Taiwan (R.O.C.)
- 五、生產廠場名稱及地址：巨磊電機股份有限公司桃園廠
Chu Lei Electric Co., Ltd. (Taoyuan)
桃園市桃園區大仁路50巷18號
No. 18, Ln. 50, Daren Rd., Taoyuan Dist., Taoyuan City 330, Taiwan (R.O.C.)
- 六、有效期限：自中華民國一〇六年十月一日起至
Effective Date: 2017-10-01 / Valid Until: 2020-09-30
- 七、驗證機構：財團法人台灣電子檢驗中心
Electronics Testing Center, Taiwan

行政院環境保護署署長
Minister LEE, Ying-Yuan
Environmental Protection Administration, Executive Yuan, R.O.C. (Taiwan)

中華民國一〇六年九月三十日
Date Issued: 2017-09-30



證書編號：環標字第 15024 號
Certificate No. 15024

環保標章使用證書 Certificate for the Use of Green Mark

茲 據 巨磊電機股份有限公司
申請環保標章產品認證，經核相符，頒發使用證書並摘錄驗證事項如下：
This is to certify that the following products from Chu Lei Electric Co., Ltd. comply with Green Mark's environmental specifications and are licensed to use the Green Mark logo:

- 一、產品名稱：非晶質模鑄式變壓器
Product: Amorphous Resin Molded Transformer
- 二、型號 / 型式：CL-M-750
Model Number
- 三、符合規格項目：乾式變壓器
Product Category: Dry Type Transformers
- 四、廠商地址：桃園市桃園區大仁路50巷18號
No. 18, Ln. 50, Daren Rd., Taoyuan Dist., Taoyuan City 330, Taiwan (R.O.C.)
- 五、生產廠場名稱及地址：巨磊電機股份有限公司桃園廠
Chu Lei Electric Co., Ltd. (Taoyuan)
桃園市桃園區大仁路50巷18號
No. 18, Ln. 50, Daren Rd., Taoyuan Dist., Taoyuan City 330, Taiwan (R.O.C.)
- 六、有效期限：自中華民國一〇七年四月二十七日起至
Effective Date: 2018-04-27 / Valid Until: 2021-04-26
- 七、驗證機構：財團法人台灣電子檢驗中心
Electronics Testing Center, Taiwan

行政院環境保護署署長
Minister LEE, Ying-Yuan
Environmental Protection Administration, Executive Yuan, R.O.C. (Taiwan)

中華民國一〇七年四月二十六日
Date Issued: 2018-04-26





證書編號：環標字第 15025 號
Certificate No.15025

環保標章使用證書 Certificate for the Use of Green Mark

茲 據 巨磊電機股份有限公司
申請環保標章產品認證，經核相符，頒發使用證書並摘錄驗證事項如下：
This is to certify that the following products from Chu Lei Electric Co., Ltd. comply with Green Mark's environmental specifications and are licensed to use the Green Mark Logo:

- 一、產品名稱：非晶質樹脂式變壓器
Product: Amorphous Resin Molded Transformer
- 二、型號 / 型式：CL-M-1000
Model Number
- 三、符合規格項目：乾式變壓器
Product Category: Dry Type Transformers
桃園市桃園區大仁路 50 巷 18 號
No. 18, Ln. 50, Daren Rd., Taoyuan Dist., Taoyuan City 330, Taiwan (R.O.C.)
- 四、廠商地址：巨磊電機股份有限公司桃園廠
Name & Address of Manufacturer: Chu Lei Electric Co., Ltd. (Taoyuan)
桃園市桃園區大仁路 50 巷 18 號
No. 18, Ln. 50, Daren Rd., Taoyuan Dist., Taoyuan City 330, Taiwan (R.O.C.)
- 五、生產廠場名稱及地址
- 六、有效期限：自中華民國 一〇七年四月二十七日起
至中華民國 一〇八年四月二十六日止
Valid Date: Effective Date: 2018 / 04 / 27 /
Valid Until: 2021 / 04 / 26 /
- 七、驗證機構：財團法人台灣電子檢驗中心
Examine Organization: Electronics Testing Center, Taiwan



行政院環境保護署署長
Minister LEE, Ying-Yuan
Environmental Protection Administration, Executive Yuan (Taiwan)
中華民國 一〇七年 四月 二十六日
Date Issued: 2018 / 04 / 26



證書編號：環標字第 15026 號
Certificate No.15026

環保標章使用證書 Certificate for the Use of Green Mark

茲 據 巨磊電機股份有限公司
申請環保標章產品認證，經核相符，頒發使用證書並摘錄驗證事項如下：
This is to certify that the following products from Chu Lei Electric Co., Ltd. comply with Green Mark's environmental specifications and are licensed to use the Green Mark Logo:

- 一、產品名稱：非晶質樹脂式變壓器
Product: Amorphous Resin Molded Transformer
- 二、型號 / 型式：CL-M-2000
Model Number
- 三、符合規格項目：乾式變壓器
Product Category: Dry Type Transformers
桃園市桃園區大仁路 50 巷 18 號
No. 18, Ln. 50, Daren Rd., Taoyuan Dist., Taoyuan City 330, Taiwan (R.O.C.)
- 四、廠商地址：巨磊電機股份有限公司桃園廠
Name & Address of Manufacturer: Chu Lei Electric Co., Ltd. (Taoyuan)
桃園市桃園區大仁路 50 巷 18 號
No. 18, Ln. 50, Daren Rd., Taoyuan Dist., Taoyuan City 330, Taiwan (R.O.C.)
- 五、生產廠場名稱及地址
- 六、有效期限：自中華民國 一〇七年四月二十七日起
至中華民國 一〇八年四月二十六日止
Valid Date: Effective Date: 2018 / 04 / 27 /
Valid Until: 2021 / 04 / 26 /
- 七、驗證機構：財團法人台灣電子檢驗中心
Examine Organization: Electronics Testing Center, Taiwan



行政院環境保護署署長
Minister LEE, Ying-Yuan
Environmental Protection Administration, Executive Yuan (Taiwan)
中華民國 一〇七年 四月 二十六日
Date Issued: 2018 / 04 / 26



