

Certificate of Registration

能源管理体系 – ISO 50001:2018

兹证明:

中达电子(江苏)有限公司
91320509718615098C
中国
江苏省
苏州市
吴江经济技术开发区
江兴东路1688号
邮编: 215200

Delta Electronics (Jiangsu) Ltd.
No. 1688, Jiangxing East Road
Wujiang Economic and Technological
Development Zone
Suzhou
Jiangsu
215200
China

持有证书:

ENMS 767226

并运行符合ISO 50001:2018要求的能源管理体系, 认证范围如下:

请见认证范围页

BSI代表:



Michael Lam – Managing Director Assurance, APAC

首次发证日期: 2022-05-09

最新发证日期: 2023-05-16

生效日期: 2022-05-09

有效期至: 2025-05-08

Page: 1 of 2



...making excellence a habit.™

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关于证书范围及 ISO 50001:2018 要求的适用性的进一步说明请咨询BSI。

此证书只在提供完整正本时才有效。

信息查询及联系方式: BSI, Kitemark Court, Davy Avenue, Knowlhill, Milton Keynes MK5 8PP. 电话: +44 345 080 9000

BSI保证英国有限公司, 注册地英国, 注册号码7805321, 地址: 389 Chiswick High Road, London W4 4AL, UK

BSI集团公司成员。

持有证书:

ENMS 767226

Registered Scope:

直流风扇与汽车马达的设计制造、散热模组的制造过程所涉及的能源管理活动。

单位产品产量综合能耗: 0.0349tce/千个,

(风扇) 单位产品综合能耗: 6.7千克标准煤/千个,

(散热模组) 单位产品综合能耗: 12.1千克标准煤/千个,

(汽车马达) 单位产品综合能耗: 13.3吨标准煤/千个。

主要生产工艺:

1、风扇: 插件---定子组合---繞線---焊錫---耐壓測試---插件---焊件---焊線---目檢---組合矽鋼片與框---點膠---入磁---充磁---壓合磁帶空業---扇葉平衡---零件組裝---組合框業---低壓/異音測試---全功能測試---貼標籤---檢查包裝;

2、散热模组: 放盘---点锡---网印铜管---盖盖板---锁C型夹---过炉焊接---外观检查---平面度检测---清洁松香---取材料---卸C型夹---焊线---压扣环---锁螺丝---组合模组&风扇---清洁&外观检查---热阻测试---贴标签---贴附件---叶高抖动异音功能测试---震动测试---刷散热膏---平面度测试---检查包装---打包;

3、汽车马达: 插件---组装---焊接---烧烤---测试---包装;

统计期间: 2022.01.01-2022.12.31

The design and manufacture of DC (direct current) Fan and Automobile motor, the manufacture of cooling module and related activities on energy consumption.

The comprehensive energy consumption per unit output is 0.0349tce/ kpcs.

The comprehensive energy consumption per unit output of fan is 6.7kgce/ kpcs.

The comprehensive energy consumption per unit output of cooling module is 12.1kgce/ kpcs.

The comprehensive energy consumption per unit output of automobile motor is 13.3tce/kpcs.

Main production process:

1. Fan: Pin Insert---Stator Assembly---Winding---Soldering---DCR&Hi-Pot Test---Inserting---PIN Solder---Cable Solder---Visual Inspection---Stator and Frame Assembly---Glue on case---Magnet Insert---Magnetize---Magnet & Impeller Assembly---Rotor Balancing---Assembly---Impeller & Frame Assembly---Low Voltage and Noise Test---Function Test---Labeling---Inspecting & Packing;

2. cooling module: For plate---Fin---Screen printing copper tube---Cover plate--- Lock type C clip---furnace welding---appearance inspection---flatness gaging---Clean rosin---Take the material---Remove C-clip---Cable Solder---Pressure retaining ring---screwdriving--- Modular modules & fans---Clean & appearance inspection--- Thermal resistance test---Labeling---Stick the attachment--- Dither tone function test---vibration test---brush radiating cream---flatness test---check the package---packing;

3. Automobile motor: Plugged in---assemble---weld---roast---test--- packing;

Statistical period from 1st Jan 2022 to 31st Dec 2022

首次发证日期: 2022-05-09

最新发证日期: 2023-05-16

生效日期: 2022-05-09

有效期至: 2025-05-08

Page: 2 of 2

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此证书只在提供完整正本时才有效。

信息查询及联系方式: BSI, Kitemark Court, Davy Avenue, Knowlhill, Milton Keynes MK5 8PP. 电话: +44 345 080 9000

BSI保证英国有限公司, 注册地英国, 注册号码7805321, 地址: 389 Chiswick High Road, London W4 4AL, UK

BSI集团公司成员。



管理体系认证证书

证书编号: 01122EN30042R0L

OID 编号: 1.2.156.1.2.01122EN30042R0L

兹 证 明

台达电子（东莞）有限公司

(社会信用代码: 91441900618361967X)

(东莞市石碣镇鹤田厦村, 523300)

能源管理体系符合标准:

GB/T 23331-2020/ISO 50001:2018 《能源管理体系 要求》

RB/T 101-2013 《能源管理体系 电子信息企业认证要求》

本证书覆盖下述范围:

台达电子（东莞）有限公司范围内的与电源供应器、电源转换器、开关电源器
交流供应器、高端电源、变频器、自动化机器设备、散热风扇、换气扇、散热模块
马达及相关五金冲压和注塑组件的模具设计和产品制造及辅助设施有关的能源管理活动

场所 1: 广东省东莞市鹤田厦村振园路 6 号: 散热风扇、换气扇、散热模块

马达及相关五金冲压和注塑组件的模具设计和产品制造

场所 2: 广东省东莞市石碣镇蟠桃路 73 号: 电源供应器、电源转换器、开关电源器

交流供应器、高端电源、变频器、自动化机器设备的设计和制造

(本证书有效性依据发证机构的定期监督获得保持, 证书有效性信息请登录 www.cc.cesi.cn 进行查询)

(本证书信息可在国家认证认可监督管理委员会官方网站 www.cnca.gov.cn 上查询)

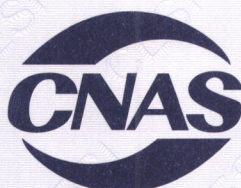
注: 认证注册范围不包括未获得有效的国家规定的相关行政许可, 资质许可的产品服务范围

发证日期: 2022 年 8 月 10 日

有效期至: 2025 年 8 月 9 日



北京赛西认证有限责任公司



中国认可
管理体系
MANAGEMENT SYSTEM
CNAS C011-M



地址: 北京市东城区安定门东大街 1 号

客服电话: 400-071-9000

网址: www.cc.cesi.cn



CERTIFICATE OF MANAGEMENT SYSTEM CERTIFICATION

Certificate No: 01122EN30042R0L

OID No: 1.2.156.1.2.01122EN30042R0L

**This is to certify that the Energy Management System of
DELTA ELECTRONICS (DONGGUAN) CO., LTD.**

(Certificate of Social Credit Code : 91441900618361967X)
(Hetianxia village, Shijie Town, Dongguan City, 523300)

has complied with the requirements of

GB/T 23331-2020/ISO 50001:2018

Energy management systems-Requirements

RB/T 101-2013

This certificate is valid for the following scope:

**THE ENERGY MANAGEMENT ACTIVITIES RELATED TO THE MOLD DESIGN
PRODUCT MANUFACTURING AND AUXILIARY FACILITIES OF POWER SUPPLY
POWER CONVERT, AC SUPPLY, HIGH-END POWER SUPPLY, FREQUENCY
CONVERT, AUTOMATIC MACHINERY AND EQUIPMENT, COOLING FAN
VENTILATOR, COOLING MODULE, MOTOR AND RELATED HARDWARE
STAMPING AND INJECTION MOLDING COMPONENTS WITHIN THE SCOPE
OF DELTA ELECTRONICS (DONGGUAN) CO., LTD.**

**THE ORGANIZATION IS MULTIPLE SITES, WHICH THE CERTIFICATION
SCOPES AND SITES COVERED ARE INDICATED AS FOLLOWING:**

**PLACE 1: NO.6 ZHENYUAN ROAD, SHIJIE TOWN, DONGGUAN CITY
GUANGDONG PROVINCE: MOLD DESIGN AND PRODUCT MANUFACTURING
OF COOLING FAN, VENTILATOR, COOLING MODULE, MOTOR AND RELATED
HARDWARE STAMPING AND INJECTION MOLDING COMPONENTS**

**PLACE 2: NO.73 PANTAO ROAD, SHIJIE TOWN, DONGGUAN CITY, GUANGDONG
PROVINCE: DESIGN AND MANUFACTURE OF POWER SUPPLY, POWER COVERT
SWITCHING POWER SUPPLY, AC POWER SUPPLY, HIGH-END POWER SUPPLY
FREQUENCY CONVERT, AUTOMATIC MACHINERY AND EQUIPMENT**

THE VALIDITY OF THIS CERTIFICATE DEPENDS ON THE CONSEQUENCE OF
THE ANNUALLY SURVEILLANCE EXECUTED BY THE CERTIFICATION BODY

PLEASE ACCESS www.cc.cesi.cn OR www.cnca.gov.cn FOR CHECKING VALIDITY OF THE CERTIFICATE

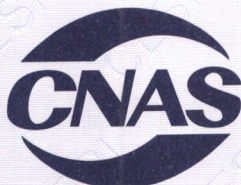
Note: The scope of product services without the related administrative permits and qualifications is
not included in the scope of certification registration.

Issue Date:2022-08-10

Valid Until:2025-08-09

General Manager

CESI Certification Co., Ltd.



中国认可

管理体系

MANAGEMENT SYSTEM

CNAS C011-M



Add: No.1Aningmen Dongdajie Dongchengqu,Beijing,China

Tel: 400-071-9000

[Http://www.cc.cesi.cn](http://www.cc.cesi.cn)

证书附件



证书编号: 01122EN30042R0L
OID 编号: 1.2.156.1.2.01122EN30042R0L

发证日期: 2022 年 8 月 10 日

有效期至: 2025 年 8 月 9 日

获证组织名称: 台达电子(东莞)有限公司

获证组织地址: 东莞市石碣镇鹤田厦村, 523300

证书编号: 01122EN30042R0L

认证依据标准: GB/T 23331-2020/ISO 50001:2018 《能源管理体系 要求》
RB/T 101-2013 《能源管理体系 电子信息企业认证要求》

审核类型及时间	审核周期单位产品/产值能耗	能耗核算边界
初次认证 2022 年 4 月 12 日至 4 月 15 日	2021 年 1 月 1 日- 2021 年 12 月 31 日 综合能耗: 11581 吨标准煤 单位产品综合能耗: 602.41 千克标准煤/万台 单位产值综合能耗: 13.97 千克标准煤/万元	位于广东省东莞市石碣镇鹤田厦村振园路 6 号和石碣镇蟠桃路 73 号台达电子(东莞)有限公司范围内的散热风扇、换气扇、散热模块、马达及相关五金冲压和注塑组件的模具、电源供应器、电源转换器、开关电源器、交流供应器、高端电源、变频器、自动化机器设备的设计和制造的生产用能, 包括: 绕线、注塑、冲压、贴片、插件、回流焊、波峰焊、部件组装、测试、老化、检验、包装的主要生产用能过程; 供配电系统、中央空调及通风系统、空压系统、抽排风系统的辅助用能以及办公、食堂和员工宿舍等附属用能; 主要能源种类为电。
第 次监督		
第 次监督		



Management Service

CERTIFICATE

The Certification Body
of TÜV SÜD Management Service GmbH

certifies that

Delta Electronics (Thailand) Public Company Limited
909 Soi 9, Moo 4, Bangpoo Industrial Estate (E.P.Z.),
Pattana 1 Road, Tambol Phraksa, Amphur Muang,
Samutprakarn, 10280
Thailand

has established and applies
an Energy Management System for

**Marketing, Design, Development and Manufacturing of
Power Conversion Products (Switching Power Supply, Adaptor & Charger,
AC/DC, DC/DC, DC/AC Converters, Chargers, Inverters, Telecommunication
Power Supply / Server Power Supply), Electronic Control Units;
Manufacturing of EMI Filter, Solenoid, PWB Assembly, Heatsink,
Ventilation Fan and Cooling Fan Products; Manufacturing of Routers,
Devices of Wireless Network Products, Switching Products for
Network Communication and Magnetic Products (Transformers, Line Filters,
Inductors); Manufacture of Injection-Molded Parts for PWB Assembly;
Manufacturing of Magnetic Products (Transformers, Line Filters, Inductors)**

including the sites see enclosure.

An audit was performed, Order No. **721241672**.

Proof has been furnished that the requirements
according to

ISO 50001:2018

are fulfilled.

The certificate is valid from **2022-10-12** until **2025-06-12**.

Certificate Registration No.: **12 340 54012 TMS**.

Head of Certification Body
Munich, 2022-10-13





Management Service

Enclosure of Certificate Registration No.: 12 340 54012 TMS

Sites	Scope of application
Delta Electronics (Thailand) Public Company Limited 909 Soi 9, Moo 4, Bangpoo Industrial Estate (E.P.Z.), Pattana 1 Road, Tambol Phraksa, Amphur Muang, Samutprakarn, 10280 Thailand	Marketing, Design, Development and Manufacturing of Power Conversion Products (Switching Power Supply, Adaptor & Charger, AC/DC, DC/DC, DC/AC Converter, Charger, Inverter, Telecommunication Power Supply / Server Power Supply).
Delta Electronics (Thailand) Public Company Limited 714 Soi E5, Moo 4, Bangpoo Industrial Estate (E.P.Z.), Pattana 1 Road, Tambol Phraksa, Amphur Muang, Samutprakarn, 10280 Thailand	Marketing, Design, Development and Manufacturing of Power Conversion Products (Switching Power Supply, Adaptor & Charger, AC/DC, DC/DC, DC/AC Converter, Charger, Inverter), Electronic Control Units.
Delta Electronics (Thailand) Public Company Limited 111 Moo 9, Wellgrow Industrial Estate, Bangna-Trad Road, Tambol Bangwua, Amphur Bangpakong Chachoengsao, 24180 Thailand	Manufacturing of EMI Filter, Solenoid, PWB Assembly, Heatsink, Ventilation Fan and Cooling Fan Products.
Delta Electronics (Thailand) Public Company Limited 699, 701 Soi E9, Moo 4, Bangpoo Industrial Estate (E.P.Z.), Pattana 1 Road, Tambol Phraksa, Amphur Muang, Samutprakarn, 10280 Thailand	Manufacturing of Routers, Devices of Wireless Network Products, Switching Products for Network Communication and Magnetic Products (Transformer, Line Filter and Inductor).
Delta Electronics (Thailand) Public Company Limited 111/6 Moo 9, Wellgrow Industrial Estate, Bangna-Trad Road, Tambol Bangwua, Amphur Bangpakong, Chachoengsao, 24180 Thailand	Marketing, Design, Development, Manufacturing of Power Conversion Products (Switching Power Supply, Adaptor & Charger, AC/DC, DC/DC, DC/AC Converters, Chargers, Inverters, Telecommunication / Server Power Supply). Manufacture of Injection-Molded Parts for PWB Assembly.
Delta Electronics (Thailand) Public Company Limited 711 Moo 4, Bangpoo Industrial Estate (E.P.Z.), Pattana 1 Road, Tambol Phraksa, Amphur Muang, Samutprakarn, 10280 Thailand	Marketing, Design, Development, Manufacturing of Power Conversion Product (AC/DC, DC/DC, DC/AC Converters, Chargers, Inverters) and Electronic Control Units.
Delta Electronics (Thailand) Public Company Limited 709 Moo 4, Bangpoo Industrial Estate (E.P.Z.), Pattana 1 Road, Tambol Phraksa, Amphur Muang, Samutprakarn, 10280 Thailand	Manufacturing of Magnetic Products (Transformers, Line Filters, Inductors).

Head of Certification Body
Munich, 2022-10-13





CERTIFICATE



This is to certify that

Cyntec Co., Ltd.

No. 2 R&D 2nd Road, Science-Based Industrial Park
30076 Hsin Chu
Taiwan

has implemented and maintains an **Energy Management System**.

Scope:

The design and manufacture of thin film platinum resistance temperature detectors, chip resistors, inductors, power modules, fuse protectors and shunts.

Through an audit, documented in a report, it was verified that the management system fulfills the requirements of the following standard:

ISO 50001 : 2018

Certificate registration no. 20000618 EMSt21
Valid from 2024-03-04
Valid until 2027-03-03
Date of certification 2024-02-19



DQS GmbH

Christian Gerling
Managing Director

DQS IS A MEMBER OF



Accredited Body: DQS GmbH, August-Schanz-Straße 21, 60433 Frankfurt am Main, Germany
Administrative Office: DQS Holding GmbH, Konrad-Adenauer-Allee 8-10, 61118 Bad Vilbel, Germany
The validity of this certificate can only be verified by the QR-code.



CERTIFICATE



This is to certify that

Cyntec Co., Ltd.

1~4F, No. 30, Sec.2, Huandong Rd., Shanhua Dist.
741014 Tainan City
Taiwan, R.O.C.

has implemented and maintains an **Energy Management System**.

Scope:

The design and manufacture of molding choke and power modules.

Through an audit, documented in a report, it was verified that the management system fulfills the requirements of the following standard:

ISO 50001 : 2018

Certificate registration no.	50600476 EMSt21
Date of revision	2023-07-13
Valid from	2023-05-12
Valid until	2026-05-11
Date of certification	2023-05-12



DQS GmbH

Christian Gerling
Managing Director

DQS IS A MEMBER OF



Accredited Body: DQS GmbH, August-Schanz-Straße 21, 60433 Frankfurt am Main, Germany
Administrative Office: DQS Holding GmbH, Konrad-Adenauer-Allee 8-10, 61118 Bad Vilbel, Germany
The validity of this certificate can only be verified by the QR-code.



证书



兹证明，

吴江华丰电子科技有限公司

中国江苏省苏州市吴江经济技术开发区吉市东路 168 号
邮政编码: 215200

统一社会信用代码: 913205097933133056

以及附录中所列的各分布地公司

已实施并维持一个**能源管理体系**。

在如下范围内:

电感器和电源模组之设计和制造。
射频模组和印刷线路板组件的制造。

经过审核，其结果已记录于审核报告中，
证实该管理体系满足以下标准的要求：

ISO 50001 : 2018

证书注册号 20000617 EMSt21
证书变更日期 2024-01-25
有效期自 2024-02-07
有效期至 2027-02-06
批准日期 2024-01-25



DQS GmbH

Christian Gerling
总经理

DQS IS A MEMBER OF



Accredited Body: DQS GmbH, August-Schanz-Straße 21, 60433 Frankfurt am Main, Germany
Administrative Office: DQS Holding GmbH, Konrad-Adenauer-Allee 8-10, 61118 Bad Vilbel, Germany
Responsible Office: 德世爱普认证（上海）有限公司, 中国上海市普陀区大渡河路168弄31号北岸长风E栋9层06, 07室, 邮政编码: 200062

本证书可在我司官网 www.dqsglobal.com 上查询，亦可在国家认证认可监督管理委员会官方网站 www.cnca.gov.cn 上查询

The validity of this certificate can only be verified by the QR-code.



证书(注册号: 20000617 EMSt21) 附件

吴江华丰电子科技有限公司

中国江苏省苏州市吴江经济开发区吉市东路 168 号
邮政编码: 215200

场地

适用范围

20000616

吴江华丰电子科技有限公司
中国江苏省苏州市吴江经济技术开发区
绣湖西路 688 号
邮政编码: 215200

白金薄膜温度感测器、芯片式电阻、排列式电阻
和电感器的设计与制造。

统一社会信用代码: 913205097933133056

审核类型及时间	审核周期单位产品能耗	能耗核算边界
第二次监督审核 2023年1月30日至 2023 年 2 月 2 日	2022 年 1-12 月, 单位产品综合能耗: P1—0.98 吨标煤/百万件 P2—0.023 吨标煤/百万件 单位产值综合能耗: P1—2.65 吨标煤/百万元 P2—4.75 吨标煤/百万元	位于江苏省苏州市吴江经济技术开发区吉市东路 168 号(P1)内的电感器和电源模组之设计和制造, 射频模组和印刷线路板组件的制造; 及江苏省苏州市吴江经济技术开发区绣湖西路 688 号(P2)内的电阻、白金薄膜温度感测器和电感器的设计与制造。 所涉及生产系统、辅助生产系统和附属生产系统。生产过程包括造粉/模具/热压/成型/汽车电感/T-core/passive/LTCC//贴片/回流焊制造等。 主要能源种类为电力、天然气
初次认证/再认证 2023 年12月18 日至 2023 年 12 月26 日	2023 年 1-11 月, 单位产品综合能耗: P1—1.22 吨标煤/百万件 P2—0.019 吨标煤/百万件 单位产值综合能耗: P1—2.76 吨标煤/百万元 P2—3.65 吨标煤/百万元	位于江苏省苏州市吴江经济技术开发区吉市东路 168 号(P1)内的电感器和电源模组之设计和制造, 射频模组和印刷线路板组件的制造; 及江苏省苏州市吴江经济技术开发区绣湖西路 688 号(P2)内的白金薄膜温度感测器、芯片式电阻、排列式电阻和电感器的设计与制造。 所涉及生产系统、辅助生产系统和附属生产系统。生产过程包括造粉/模具/热压/成型/汽车电感/T-core/passive/LTCC/贴片/回流焊制造等。 主要能源种类为电力、天然气



CERTIFICATE



This is to certify that

Cyntec Electronics (Suzhou) Co., Ltd.

No. 168, Jishi East Road, Wujiang Economic Development Zone, Suzhou City
JiangSu Province 215200
China

Unified Social Credit Code: 913205097933133056

with the organizational units/sites as listed in the annex

has implemented and maintains an **Energy Management System**.

Scope:

The design and manufacture of inductors and Power Modules.

The manufacture of radio frequency modules and print circuit board assemblies.

Please see the certificate appendix with the same certificate registration number for the comprehensive energy consumption per unit output and energy consumption accounting boundary of the certified organization, which is an integral part of this certificate.

Through an audit, documented in a report, it was verified that the management system fulfills the requirements of the following standard:

ISO 50001 : 2018

Certificate registration no. 20000617 EMSt21

Date of revision 2024-01-25

Valid from 2024-02-07

Valid until 2027-02-06

Date of certification 2024-01-25



DQS GmbH

Christian Gerling
Managing Director

DQS IS A MEMBER OF



Accredited Body: DQS GmbH, August-Schanz-Straße 21, 60433 Frankfurt am Main, Germany
Administrative Office: DQS Holding GmbH, Konrad-Adenauer-Allee 8-10, 61118 Bad Vilbel, Germany
Responsible Office: DQS AP Ltd., 906-907, Waterfront Place Block E, No.31, Lane 168, Daduhe Road, Putuo District, Shanghai, China, Post Code: 200062

The certificate can be verified at www.dqsglobal.com as well as CNCA official website www.cnca.gov.cn.

The validity of this certificate can only be verified by the QR-code.



Annex to certificate
Registration No. 20000617 EMSt21

Cyntec Electronics (Suzhou) Co., Ltd.

No. 168, Jishi East Road, Wujiang Economic Development Zone, Suzhou City
JiangSu Province 215200
China

Location

20000616

Cyntec Electronics (Suzhou) Co., Ltd.

No. 688, Xiuhu West Road
Wujiang Economic Technology
Development Zone, Suzhou City
Jiangsu Province 215200
China

Scope

The design and manufacture of resistors, thin film platinum resistance temperature detectors, chip resistors, resistor networks and inductors.

Unified Social Credit Code:

913205097933133056

Audit Type/Time	Energy Consumption Per Unit Product in Audit Cycle	Energy Consumption Accounting Boundary
2nd Surveillance Jan 30 2023 to Feb 02 2023	From January to December, 2022 Comprehensive energy consumption per unit product : P1 0.98 tce/MPCs P2 0.023 tce/MPCs Comprehensive energy consumption per unit output value: P1 2.65 tce/Million dollars P2 4.75 tce/Million dollars	The production system, auxiliary production system and subsidiary production system involved in inductors, power models, radio frequency modules and print circuit board assemblies which located in No. 168, Jishi East Road, Wujiang Economic Development Zone, Suzhou City JiangSu Province, China(P1), & resistors, thin film platinum resistance temperature detectors and inductors which located in No. 688, Xiuhu West Road, Wujiang Economic Development Zone, Suzhou City JiangSu Province, China(P2). The production process includes powder making / mold /hot press / molding / vehicle inductor / T-core/passive/LTCC/SMT etc. The main types of energy are electric power and natural gas.
Initial/Recertification Dec. 18 2023 to Dec. 26 2023	From January to November, 2023 Comprehensive energy	The production system, auxiliary production system and subsidiary production system involved in inductors, power models, radio

This annex (edition: 2024-01-25) is only valid in connection with the above-mentioned certificate.



Annex to certificate
Registration No. 20000617 EMSt21

Cyntec Electronics (Suzhou) Co., Ltd.

No. 168, Jishi East Road, Wujiang Economic Development Zone, Suzhou City
JiangSu Province 215200
China

	consumption per unit product : P1- 1.22 tce/MPCs P2- 0.019 tce/MPCs Comprehensive energy consumption per unit output value: P1-2.76 tce/Million dollars P2-3.65 tce/Million dollars	frequency modules and print circuit board assemblies which located in No. 168, Jishi East Road, Wujiang Economic Development Zone, Suzhou City JiangSu Province, China(P1), thin film platinum resistance temperature detectors, chip resistors, resistor networks and inductors which located in No. 688, Xiuhu West Road, Wujiang Economic Development Zone, Suzhou City JiangSu Province, China(P2). The production process includes powder making / mold /hot press / molding / vehicle inductor / T- core/passive/LTCC/SMT etc. The main types of energy are electric power and natural gas.
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证书



兹证明，

华丰电子科技(芜湖)有限公司

中国（安徽）自由贸易试验区芜湖片区龙山街道九华北路 138 号
邮政编码：241000

统一社会信用代码：91340200MA2UGKP5XE(1-1)

已实施并维持一个**能源管理体系**。

在如下范围内：

电感器和分流器之设计和制造。

获证组织年度产品单位产量综合能耗及能耗核算边界，见标有相同证书注册号的证书附件，
证书附件是本证书组成部分。

经过审核，其结果已记录于审核报告中，
证实该管理体系满足以下标准的要求：

ISO 50001 : 2018

证书注册号 50600424 EMSt18

有效期自 2023-02-14

有效期至 2026-02-13

批准日期 2023-02-14



DQS GmbH

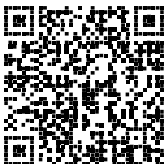
Markus Bleher
总经理

Accredited Body: DQS GmbH, August-Schanz-Straße 21, 60433 Frankfurt am Main, Germany
Administrative Office: DQS Holding GmbH, Konrad-Adenauer-Allee 8-10, 61118 Bad Vilbel, Germany
Responsible Office: 德世爱普认证（上海）有限公司, 中国上海市普陀区大渡河路168弄31号北岸长风E栋9层06, 07 室, 邮政编码: 200062

本证书可在我司官网 www.dqsglobal.com 上查询，亦可在国家认证认可监督管理委员会官方网站 www.cnca.gov.cn 上查询

The validity of this certificate can only be verified by the QR-code.

DQS IS A MEMBER OF





证书(注册号: 50600424 EMSt18) 附件

华丰电子科技(芜湖)有限公司

中国(安徽)自由贸易试验区芜湖片区龙山街道九华北路 138 号
邮政编码: 241000

统一社会信用代码: 91340200MA2UGKP5XE(1-1)

审核类型及时间	审核周期单位产品能耗	能耗核算边界
初次认证/再认证 2022年12月26日 至2022年12月28日	2021 年 1-12 月, 单位产品综合能耗: 1.01 吨标煤/百万件 单位产值综合能耗: 0.312 吨标煤/万美元	位于中国(安徽)自由贸易试验区芜湖片区龙山街道九华北路 138 号内的电感器和分流器之设计和制造。所涉及生产系统、辅助生产系统和附属生产系统。生产过程包括造粉/模具/热压/成型/冲压/焊接/电镀等。 主要能源种类为电力和天然气。
	2022 年 1-11 月, 单位产品综合能耗: 0.927 吨标煤/百万件 单位产值综合能耗: 0.266 吨标煤/万美元	位于中国(安徽)自由贸易试验区芜湖片区龙山街道九华北路 138 号内的电感器和分流器之设计和制造。所涉及生产系统、辅助生产系统和附属生产系统。生产过程包括造粉/模具/热压/成型/冲压/焊接/电镀等。 主要能源种类为电力和天然气。

DMSZ

C E R T I F I C A T E

DMSZ Deutsche Managementsystem Zertifizierungsgesellschaft mbH

hereby certifies that the company



DELTA Electronics (Germany) GmbH

Ferdinand-Porsche-Straße 45
60386 Frankfurt / Main
Germany

with the units as listed in the annex
for the scope

**Design, Engineering, Sales, Installation and Maintenance of High-End Power Systems and Equipment
for Telecommunications, Data Center, Industrial and Renewable Energy**

has implemented and maintains an

Energy Management System

An audit, documented in a report, has verified that this management system fulfills the requirements of the
following standard:

DIN EN ISO 50001:2018

This certificate is valid from 2023-12-22 until 2026-02-27

Certificate Registration No.: EM 00425-Z03358

Griesheim, Germany, 2023-12-22



Stefan Eckhardt
Stefan Eckhardt
Managing Director

Hans-W. Lortz
Hans-Werner Lortz
Head of Certification Body



**Annex to Certificate Registration No.: EM 00425-Z03358
of the company DELTA Electronics (Germany) GmbH**

Units

DELTA Montage GmbH
Ferdinand-Porsche-Straße 45
60386 Frankfurt / Main

Scope

Installation of High-End Power Systems and Equipment for Telecommunications, Data Center, Industrial and Renewable Energy