

Certificate

Standard **ISO 14067:2018**
Certificate Registr. No. **CO 50509260 0001**
Report No. **38514202 001**

Certificate Holder: **Delta Electronics (Thailand) Public Co., Ltd.**
909 Soi 9, Moo 4, Bangpoo Industrial Estate (E.P.Z.), Pattana 1 Rd.,
Tambon Phraksa, Amphur Muang, Samutprakarn 10280, Thailand

Site: **Delta Electronics (Thailand) Public Co., Ltd. Plant 5**
909 Soi 9, Moo 4, Bangpoo Industrial Estate (E.P.Z.), Pattana 1 Rd.,
Tambon Phraksa, Amphur Muang, Samutprakarn 10280, Thailand

Scope: Verification and Validation Body: TÜV Rheinland Taiwan Ltd.
- Process: Document review, interview, remote audit and recalculation
Based on the information we have received and evaluated that:
- Programme: Voluntary PCF scheme
- Product Category Rule: N/A
- Review Criteria: ISO 14064-3:2006
- Organizational Boundary: Operational Control
- Level of Assurance: Reasonable
- Materiality: 5%
- Global warming potential (GWP): IPCC 2013
- Analysis method: IPCC 2013 GWP 100a v1.03
- LCA software or database: SimaPro 9.0.0 / Ecoinvent 3
- Product and Model no.: Switching Power Supply for Data Storage System / ECD55020002
- Boundary: Cradle to Gate
- Data period: 2020.01.01~2020.12.31
- Functional unit: one piece (include package)
- Carbon emissions: 33.370 kg CO₂e

Validity: This certificate is valid from 2021/07/15 until 2023/07/14
This certificate only verified the target product / service carbon footprint,
this verification does not include review of external communication.

2021-07-15


TÜV Rheinland Taiwan Ltd.
11F., No. 758, Sec. 4, Bade Rd.,
Taipei 105, Taiwan

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Certificate

Inventory Standard **ISO 14067:2018**
Certificate Registr. No. **CO 50565145 0001**
Report No. **38545125 001**

Certificate Holder: **Delta Electronics (Thailand) Public Co., Ltd.**
909 Soi 9, Moo 4, Bangpoo Industrial Estate (E.P.Z.), Pattana 1 Rd.,
Tambon Phraksa, Amphur Muang, Samutprakarn 10280, Thailand

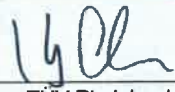
Verification Site: **Delta Electronics (Thailand) Public Co., Ltd. Plant 5**
909 Soi 9, Moo 4, Bangpoo Industrial Estate (E.P.Z.), Pattana 1 Rd.,
Tambon Phraksa, Amphur Muang, Samutprakarn 10280, Thailand

Verification Method : Verification Body: TÜV Rheinland Taiwan Ltd.
- Process: Document review, interview, remote audit and recalculation
- Verification Standard: ISO 14064-3:2006

Verification Scope: Based on the information we have received and evaluated that:
- Programme: Voluntary PCF scheme
- Product Category Rule: N/A
- Organizational Boundary: Operational Control
- Level of Assurance: Reasonable
- Materiality: 5%
- Global warming potential (GWP): IPCC 2013
- Analysis method: IPCC 2013 GWP 100a v1.03
- LCA software or database: SimaPro Ver. 9.2.0.2 / Ecoinvent 3
- Product: 1800W Switching AC Power Supply
- Boundary: Cradle to Gate
- Data period: 2021.01.01~2021.12.31
- Functional unit: one piece (including package)
- Model no. / Carbon emissions:
ECD15010020 / 99.088 kg CO₂e

Validity: This certificate is valid from 2022/11/15 until 2024/11/14
This certificate only verified the target product carbon footprint, this
verification does not include review of external communication.

2022-11-15


TÜV Rheinland Taiwan Ltd.
11F., No. 758, Sec. 4, Bade Rd.,
Taipei 105, Taiwan

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Certificate

Inventory Standard **ISO 14067:2018**
Certificate Registr. No. **CO 50565144 0001**
Report No. **38545125 001**

Certificate Holder: **Delta Electronics (Thailand) Public Co., Ltd.**
909 Soi 9, Moo 4, Bangpoo Industrial Estate (E.P.Z.), Pattana 1 Rd.,
Tambon Phraksa, Amphur Muang, Samutprakarn 10280, Thailand

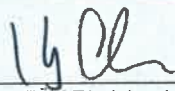
Verification Site: **Delta Electronics (Thailand) Public Co., Ltd. Plant 5**
909 Soi 9, Moo 4, Bangpoo Industrial Estate (E.P.Z.), Pattana 1 Rd.,
Tambon Phraksa, Amphur Muang, Samutprakarn 10280, Thailand

Verification Method : Verification Body: TÜV Rheinland Taiwan Ltd.
- Process: Document review, interview, remote audit and recalculation
- Verification Standard: ISO 14064-3:2006

Verification Scope: Based on the information we have received and evaluated that:
- Programme: Voluntary PCF scheme
- Product Category Rule: N/A
- Organizational Boundary: Operational Control
- Level of Assurance: Reasonable
- Materiality: 5%
- Global warming potential (GWP): IPCC 2013
- Analysis method: IPCC 2013 GWP 100a v1.03
- LCA software or database: SimaPro Ver. 9.2.0.2 / Ecoinvent 3
- Product: 1200W Switching AC Power Supply
- Boundary: Cradle to Gate
- Data period: 2021.01.01~2021.12.31
- Functional unit: one piece (including package)
- Model no. / Carbon emissions:
ECD55020011 / 55.165 kg CO₂e

Validity: This certificate is valid from 2022/11/15 until 2024/11/14
This certificate only verified the target product carbon footprint, this
verification does not include review of external communication.

2022-11-15


TÜV Rheinland Taiwan Ltd.
11F., No. 758, Sec. 4, Bade Rd.,
Taipei 105, Taiwan

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Certificate

Inventory Standard **ISO 14067:2018**
Certificate Registr. No. **CO 50576882 0001**
Report No. **48200279 009**

Certificate Holder: **CYNTEC CO., LTD.**
No. 2, Yanfa 2nd Rd., Baoshan Township, Hsinchu Science Park,
HsinChu County 300092, Taiwan (R.O.C.)

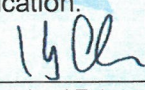
Verification Site: **Cyntec Electronics (Suzhou) Co., Ltd.**
No. 168, Jishi East Road, Wujiang Economic Development Zone,
SuZhou City, JiangSu Province 215200, China

Verification Method: Verification Body: TÜV Rheinland Taiwan Ltd.
- Process: Document review, interview, site visit and recalculation
- Verification Standard: ISO 14064-3:2006

Verification Scope: Based on the information we have received and evaluated that:
- Programme: Voluntary Carbon Footprint scheme
- Product Category Rule: N/A
- Organizational Boundary: Operational Control
- Level of Assurance: Reasonable
- Materiality: 5%
- Global warming potential (GWP): IPCC 2021
- Analysis method: IPCC 2021 GWP 100a V1.00
- LCA software or database: SimaPro 9.3.0.3 / Ecoinvent 3.8
- Product: Power choke
- Boundary: Cradle to Gate
- Data period: 2021.01.01~2021.12.31
- Functional unit: one g (including package)
- Model no. / Carbon emissions:
T-core series / 20.531 g CO₂e

Validity: This certificate is valid from 2023/04/11 until 2025/04/10
This certificate only verified the target product carbon footprint, this
verification does not include review of external communication.

2023-04-11


TÜV Rheinland Taiwan Ltd.
11F., No. 758, Sec. 4, Bade Rd.,
Taipei 105, Taiwan

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Certificate

Inventory Standard **ISO 14067:2018**
Certificate Registr. No. **CO 50576870 0001**
Report No. **48200279 007**

Certificate Holder: **Delta Electronics, Inc.**
186, Ruey Kuang Road, Neihu District, Taipei 114501, Taiwan

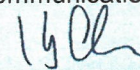
Verification Site: **Delta Electronics (Jiangsu) Ltd.(Wujiang Plant 4)**
No. 1688, Jiangxing East Road, Wujiang Economic and Technological Development Zone Suzhou City, Jiangsu Province, China

Verification Method: Verification Body: TÜV Rheinland Taiwan Ltd.
- Process: Document review, interview, site visit and recalculation
- Verification Standard: ISO 14064-3:2006

Verification Scope: Based on the information we have received and evaluated that:
- Programme: Voluntary Carbon Footprint scheme
- Product Category Rule: N/A
- Organizational Boundary: Operational Control
- Level of Assurance: Reasonable
- Materiality: 5%
- Global warming potential (GWP): IPCC 2021
- Analysis method: IPCC 2021 GWP 100a V1.00
- LCA software or database: SimaPro 9.3.0.3 / Ecoinvent 3.8
- Product: Projector
- Boundary: Cradle to Gate
- Data period: 2021.01.01~2021.12.31
- Functional unit: one piece (including package)
- Model no. / Carbon emissions:
LX176-435BQET / 114.203 kg CO_{2e}

Validity: This certificate is valid from 2023/04/11 until 2025/04/10
This certificate only verified the target product carbon footprint, this verification does not include review of external communication.

2023-04-11



TÜV Rheinland Taiwan Ltd.
11F., No. 758, Sec. 4, Bade Rd.,
Taipei 105, Taiwan

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Certificate

Inventory Standard **ISO 14067:2018**
Certificate Registr. No. **CO 50576842 0001**
Report No. **48200279 002**

Certificate Holder: **Delta Electronics, Inc.**
186, Ruey Kuang Road, Neihu District, Taipei 114501, Taiwan

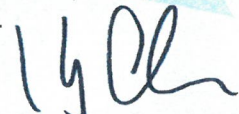
Verification Site: **Delta Electronics (Wuhu) Ltd.(Wuhu Plant 2)**
Economic-technical Development Area, Wuhu City, Anhui Province, China

Verification Method : Verification Body: TÜV Rheinland Taiwan Ltd.
- Process: Document review, interview, site visit and recalculation
- Verification Standard: ISO 14064-3:2006

Verification Scope: Based on the information we have received and evaluated that:
- Programme: Voluntary Carbon Footprint scheme
- Product Category Rule: N/A
- Organizational Boundary: Operational Control
- Level of Assurance: Reasonable
- Materiality: 5%
- Global warming potential (GWP): IPCC 2021
- Analysis method: IPCC 2021 GWP 100a V1.00
- LCA software or database: SimaPro Ver. 9.3.0.3 / Ecoinvent 3.8
- Product: Led High Bay
- Boundary: Cradle to Gate
- Data period: 2021.07.01~2021.09.30, 2021.11.01~2021.12.31
- Functional unit: one Pcs (with package, 9.2 kg)
- Model no. / Carbon emissions:
HBEBK 200W / 94.291 kg CO₂e

Validity: This certificate is valid from 2023/03/13 until 2025/03/12
This certificate only verified the target product carbon footprint, this verification does not include review of external communication.

2023-03-13


TÜV Rheinland Taiwan Ltd.
11F., No. 758, Sec. 4, Bade Rd.,
Taipei 105, Taiwan

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Certificate

Inventory Standard **ISO 14067:2018**
Certificate Registr. No. **CO 50576880 0001**
Report No. **48200279 008**

Certificate Holder: **Delta Electronics, Inc.**
186, Ruey Kuang Road, Neihu District, Taipei 114501, Taiwan

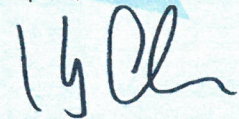
Verification Site: **Delta Electronics (Jiangsu) Ltd.(Wujiang Plant 6)**
No. 1688, Jiangxing East Road, Wujiang Economic and Technological
Development Zone Suzhou City, Jiangsu Province, China

Verification Method : Verification Body: TÜV Rheinland Taiwan Ltd.
- Process: Document review, interview, site visit and recalculation
- Verification Standard: ISO 14064-3:2006

Verification Scope: Based on the information we have received and evaluated that:
- Programme: Voluntary Carbon Footprint scheme
- Product Category Rule: N/A
- Organizational Boundary: Operational Control
- Level of Assurance: Reasonable
- Materiality: 5%
- Global warming potential (GWP): IPCC 2021
- Analysis method: IPCC 2021 GWP 100a V1.00
- LCA software or database: SimaPro Ver. 9.3.0.3 / Ecoinvent 3.8
- Product: Charger IC-CPD
- Boundary: Cradle to Gate
- Data period: 2021.01.01 ~2021.12.31
- Functional unit: one Pcs (with package, 2.77 kg)
- Model no. / Carbon emissions:
EVVS10CE27AV-A / 99.599 kg CO_{2e}

Validity: This certificate is valid from 2023/03/13 until 2025/03/12
This certificate only verified the target product carbon footprint, this verification
does not include review of external communication.

2023-03-13



TÜV Rheinland Taiwan Ltd.
11F., No. 758, Sec. 4, Bade Rd.,
Taipei 105, Taiwan

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Certificate

Inventory Standard **ISO 14067:2018**
Certificate Registr. No. **CO 50576840 0001**
Report No. **48200279 001**

Certificate Holder: **Delta Electronics, Inc.**
186, Ruey Kuang Road, Neihu District, Taipei 114501, Taiwan

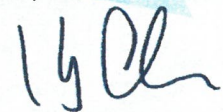
Verification Site: **Delta Electronics, Inc. (Taoyuan Plant 1)**
31-1, Xingbang Road, Guishan District, Taoyuan City 333613, Taiwan

Verification Method : Verification Body: TÜV Rheinland Taiwan Ltd.
- Process: Document review, interview, site visit and recalculation
- Verification Standard: ISO 14064-3:2006

Verification Scope: Based on the information we have received and evaluated that:
- Programme: Voluntary Carbon Footprint scheme
- Product Category Rule: N/A
- Organizational Boundary: Operational Control
- Level of Assurance: Reasonable
- Materiality: 5%
- Global warming potential (GWP): IPCC 2021
- Analysis method: IPCC 2021 GWP 100a V1.00
- LCA software or database: SimaPro Ver. 9.3.0.3 / Ecoinvent 3.8
- Product: Vehicle Motor
- Boundary: Cradle to Gate
- Data period: 2021.01.01 ~ 2021.12.31
- Functional unit: one Pcs (with package, 6.875 Kg)
- Model no. / Carbon emissions: ECMV-A81303PS / 58.02 kg CO_{2e}

Validity: This certificate is valid from 2023/03/08 until 2025/03/07
This certificate only verified the target product carbon footprint, this verification does not include review of external communication.

2023-03-08



TÜV Rheinland Taiwan Ltd.
11F., No. 758, Sec. 4, Bade Rd.,
Taipei 105, Taiwan

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Certificate

Inventory Standard **ISO 14067:2018**
Certificate Registr. No. **CO 50576868 0001**
Report No. **48200279 006**

Certificate Holder: **Delta Electronics, Inc.**
186, Ruey Kuang Road, Neihu District, Taipei 114501, Taiwan

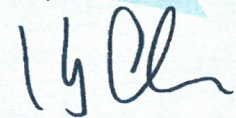
Verification Site: **Delta Electronics (Jiangsu) Ltd.(Wujiang Plant 2)**
No. 1688, Jiangxing East Road, Wujiang Economic and Technological
Development Zone Suzhou City, Jiangsu Province, China

Verification Method : Verification Body: TÜV Rheinland Taiwan Ltd.
- Process: Document review, interview, site visit and recalculation
- Verification Standard: ISO 14064-3:2006

Verification Scope: Based on the information we have received and evaluated that:
- Programme: Voluntary Carbon Footprint scheme
- Product Category Rule: N/A
- Organizational Boundary: Operational Control
- Level of Assurance: Reasonable
- Materiality: 5%
- Global warming potential (GWP): IPCC 2021
- Analysis method: IPCC 2021 GWP 100a V1.00
- LCA software or database: SimaPro Ver. 9.3.0.3 / Ecoinvent 3.8
- Product: Adaptor
- Boundary: Cradle to Gate
- Data period: 2021.08.04 ~2022.07.23
- Functional unit: one Pcs (with package, 0.505 kg)
- Model no. / Carbon emissions:
ADP-400ER AB / 23.801 kg CO₂e

Validity: This certificate is valid from 2023/03/13 until 2025/03/12
This certificate only verified the target product carbon footprint, this verification
does not include review of external communication.

2023-03-13



TÜV Rheinland Taiwan Ltd.
11F., No. 758, Sec. 4, Bade Rd.,
Taipei 105, Taiwan

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Certificate

Inventory Standard **ISO 14067:2018**
Certificate Registr. No. **CO 50576843 0001**
Report No. **48200279 003**

Certificate Holder: **Delta Electronics, Inc.**
186, Ruey Kuang Road, Neihu District, Taipei 114501, Taiwan

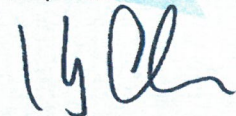
Verification Site: **Delta Electronics, Inc. (Taoyuan Plant 2)**
No.252, Shang Ying Rd., Kuei San District, Taoyuan City 33341, Taiwan

Verification Method : Verification Body: TÜV Rheinland Taiwan Ltd.
- Process: Document review, interview, site visit and recalculation
- Verification Standard: ISO 14064-3:2006

Verification Scope: Based on the information we have received and evaluated that:
- Programme: Voluntary Carbon Footprint scheme
- Product Category Rule: EPD-PCR Femto Cell PRODUCT-CATEGORY RULES, PCR 2011:1.0, 2011.12.31
- Organizational Boundary: Operational Control
- Level of Assurance: Reasonable
- Materiality: 5%
- Global warming potential (GWP): IPCC 2021
- Analysis method: IPCC 2021 GWP 100a V1.00
- LCA software or database: SimaPro Ver. 9.3.0.3 / Ecoinvent 3.8
- Product: Wireless AP
- Boundary: Cradle to Grave
- Data period: 2022.01.01 ~ 2022.06.30
- Functional unit: one Pcs (with package, 2.176 Kg)
- Model no. / Carbon emissions: AP 43-US / 298.12 kg CO₂e

Validity: This certificate is valid from 2023/03/08 until 2025/03/07
This certificate only verified the target product carbon footprint, this verification does not include review of external communication.

2023-03-08



TÜV Rheinland Taiwan Ltd.
11F., No. 758, Sec. 4, Bade Rd.,
Taipei 105, Taiwan

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Certificate

Inventory Standard **ISO 14067:2018**
Certificate Registr. No. **CO 50576866 0001**
Report No. **48200279 005**

Certificate Holder: **Delta Electronic (Thailand) Public Company Limited**
909 Soi 9 Moo 4, Bangpoo Industrial Estate (EPZ.), Pattana1 Rd., T. Phrakasa, A. Muang, Samutprkarn 10280, THAILAND

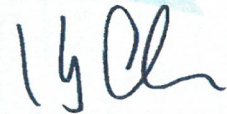
Verification Site: **Delta Electronic (Thailand) Public Company Limited**
909 Soi 9 Moo 4, Bangpoo Industrial Estate (EPZ.), Pattana1 Rd., T. Phrakasa, A. Muang, Samutprkarn 10280, THAILAND

Verification Method : Verification Body: TÜV Rheinland Taiwan Ltd.
- Process: Document review, interview, site visit and recalculation
- Verification Standard: ISO 14064-3:2006

Verification Scope: Based on the information we have received and evaluated that:
- Programme: Voluntary Carbon Footprint scheme
- Product Category Rule: N/A
- Organizational Boundary: Operational Control
- Level of Assurance: Reasonable
- Materiality: 5%
- Global warming potential (GWP): IPCC 2021
- Analysis method: IPCC 2021 GWP 100a V1.00
- LCA software or database: SimaPro Ver. 9.3.0.3 / Ecoinvent 3.8
- Product: DIN Rail Power Supply
- Boundary: Cradle to Gate
- Data period: 2021.01.01 ~ 2021.12.31
- Functional unit: one Pcs (with package, 1.9 Kg)
- Model no. / Carbon emissions: EOE14010564 / 23.19 kg CO₂e

Validity: This certificate is valid from 2023/03/08 until 2025/03/07
This certificate only verified the target product carbon footprint, this verification does not include review of external communication.

2023-03-08



TÜV Rheinland Taiwan Ltd.
11F., No. 758, Sec. 4, Bade Rd.,
Taipei 105, Taiwan

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Certificate

Inventory Standard **ISO 14067:2018**

Certificate Registr. No. **CO 50576883 0001**

Report No. **48200279 010**

Certificate Holder: **Delta Electronics, Inc.**
186, Ruey Kuang Road, Neihu District, Taipei 114501, Taiwan

Verification Site: **Delta Electronics (Jiangsu) Ltd.(Wujiang Plant 7)**
No. 1688, Jiangxing East Road, Wujiang Economic and Technological Development Zone Suzhou City, Jiangsu Province, China

Verification Method: Verification Body: TÜV Rheinland Taiwan Ltd.
- Process: Document review, interview, site visit and recalculation
- Verification Standard: ISO 14064-3:2006

Verification Scope: Based on the information we have received and evaluated that:
- Programme: Voluntary Carbon Footprint scheme
- Product Category Rule: N/A
- Organizational Boundary: Operational Control
- Level of Assurance: Reasonable
- Materiality: 5%
- Global warming potential (GWP): IPCC 2021
- Analysis method: IPCC 2021 GWP 100a V1.00
- LCA software or database: SimaPro 9.3.0.3 / Ecoinvent 3.8
- Product: Stator
- Boundary: Cradle to Gate
- Data period: 2021.01.01~2021.12.31
- Functional unit: one piece (including package)
- Model no. / Carbon emissions:
SM-2148105K1 / 72.735 kg CO₂e

Validity: This certificate is valid from 2023/04/11 until 2025/04/10
This certificate only verified the target product carbon footprint, this verification does not include review of external communication.

2023-04-11


TÜV Rheinland Taiwan Ltd.
11F., No. 758, Sec. 4, Bade Rd.,
Taipei 105, Taiwan

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Certificate

Inventory Standard **ISO 14067:2018**
Certificate Registr. No. **CO 50576851 0001**
Report No. **48200279 004**

Certificate Holder: **Delta Electronics, Inc.**
186, Ruey Kuang Road, Neihu District, Taipei 114501, Taiwan

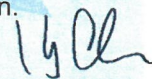
Verification Site: **Delta Electronics (Jiangsu) Ltd.(Wujiang Plant 5)**
No. 1688, Jiangxing East Road, Wujiang Economic and Technological Development Zone Suzhou City, Jiangsu Province, China

Verification Method: Verification Body: TÜV Rheinland Taiwan Ltd.
- Process: Document review, interview, site visit and recalculation
- Verification Standard: ISO 14064-3:2006

Verification Scope: Based on the information we have received and evaluated that:
- Programme: Voluntary Carbon Footprint scheme
- Product Category Rule: N/A
- Organizational Boundary: Operational Control
- Level of Assurance: Reasonable
- Materiality: 5%
- Global warming potential (GWP): IPCC 2021
- Analysis method: IPCC 2021 GWP 100a V1.00
- LCA software or database: SimaPro 9.3.0.3 / Ecoinvent 3.8
- Product: DC fan
- Boundary: Cradle to Gate
- Data period: 2021.06.01~2021.12.31
- Functional unit: one piece (including package)
- Model no. / Carbon emissions:
ASB1212SJ-00GZC / 1.612 kg CO₂e

Validity: This certificate is valid from 2023/04/11 until 2025/04/10
This certificate only verified the target product carbon footprint, this verification does not include review of external communication.

2023-04-11


TÜV Rheinland Taiwan Ltd.
11F., No. 758, Sec. 4, Bade Rd.,
Taipei 105, Taiwan

This verification and validation is based on the information made available to TÜV Rheinland and the engagement conditions detailed above. Therefore, TÜV Rheinland cannot guarantee the accuracy or correctness of this information. TÜV Rheinland cannot be held liable by any party relying or acting upon this verification and validation.

證書

盤查標準

ISO 14067:2018

證書登記號碼

CO 50576842 0001

報告號碼

48200279 002

證書持有者:

台達電子工業股份有限公司
台灣 台北市內湖區瑞光路 186 號

查證場址:

中達電子(蕪湖)有限公司(蕪湖二廠)
中國(安徽)自由貿易試驗區蕪湖片區九華北路 138 號

查證方法:

查證機構: 台灣德國萊因技術監護顧問股份有限公司
- 過程: 文件審查, 訪談, 現場訪視與重新計算
- 查證標準: ISO 14064-3:2006

查證範圍:

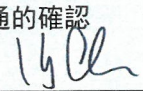
基於取得的資訊進行評估之結論:

- 方案: 自願性碳足跡方案
- 產品類別規則: N/A
- 組織邊界: 營運控制權法
- 保證等級: 合理保證
- 實質性: 5%
- 全球暖化潛勢(GWP): IPCC 2021
- 分析方法: IPCC 2021 GWP 100a V1.00
- 生命週期軟體或資料庫: SimaPro Ver. 9.3.0.3 / Ecoinvent 3.8
- 產品: 高天井燈
 - 邊界: 搖籃到大門
 - 數據期間: 2021.07.01~2021.09.30, 2021.11.01~2021.12.31
 - 功能單位: 1 件(含包裝, 9.2 kg)
 - 型號 / 碳排放量:
HBEBK 200W / 94.291 公斤二氧化碳當量(kg CO_{2e})

有效性:

本證書有效期自 2023/03/13 到 2025/03/12 止
本證書僅對標的產品碳足跡進行查驗, 未包含對外溝通的確認

2023-03-13


台灣德國萊因技術監護顧問股份有限公司
台灣 105 台北市八德路四段 758 號 11 樓

This verification and validation is based on the information made available to TÜV Rheinland and the engagement conditions detailed above. Therefore, TÜV Rheinland cannot guarantee the accuracy or correctness of this information. TÜV Rheinland cannot be held liable by any party relying or acting upon this verification and validation.

證書

盤查標準

ISO 14067:2018

證書登記號碼

CO 50576880 0001

報告號碼

48200279 008

證書持有者:

台達電子工業股份有限公司
台灣 台北市內湖區瑞光路 186 號

查證場址:

中達電子(江蘇)有限公司(吳江六廠)
江蘇省蘇州市吳江經濟技術開發區江興東路 1688 號

查證方法:

查證機構: 台灣德國萊因技術監護顧問股份有限公司
- 過程: 文件審查, 訪談, 現場訪視與重新計算
- 查證標準: ISO 14064-3:2006

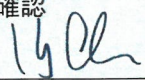
查證範圍:

基於取得的資訊進行評估之結論:
- 方案: 自願性碳足跡方案
- 產品類別規則: N/A
- 組織邊界: 營運控制權法
- 保證等級: 合理保證
- 實質性: 5%
- 全球暖化潛勢(GWP): IPCC 2021
- 分析方法: IPCC 2021 GWP 100a V1.00
- 生命週期軟體或資料庫: SimaPro Ver. 9.3.0.3 / Ecoinvent 3.8
- 產品: 電動汽車充電控制器
- 邊界: 搖籃到大門
- 數據期間: 2021.01.01 ~2021.12.31
- 功能單位: 1 件(含包裝, 2.77 kg)
- 型號 / 碳排放量:
EVVS10CE27AV-A / 99.599 公斤二氧化碳當量(kg CO_{2e})

有效性:

本證書有效期自 2023/03/13 到 2025/03/12 止
本證書僅對標的產品碳足跡進行查驗, 未包含對外溝通的確認

2023-03-13


台灣德國萊因技術監護顧問股份有限公司
台灣 105 台北市八德路四段 758 號 11 樓

This verification and validation is based on the information made available to TÜV Rheinland and the engagement conditions detailed above. Therefore, TÜV Rheinland cannot guarantee the accuracy or correctness of this information. TÜV Rheinland cannot be held liable by any party relying or acting upon this verification and validation.

證書

盤查標準

ISO 14067:2018

證書登記號碼

CO 50576840 0001

報告號碼

48200279 001

證書持有者:

台達電子工業股份有限公司
台灣 台北市內湖區瑞光路 186 號

查證場址:

台達電子工業股份有限公司(桃園一廠)
台灣 333613 桃園市龜山區興邦路 31-1 號

查證方法:

查證機構: 台灣德國萊因技術監護顧問股份有限公司
- 過程: 文件審查, 訪談, 現場訪視與重新計算
- 查證標準: ISO 14064-3:2006

查證範圍:

基於取得的資訊進行評估之結論:

- 方案: 自願性碳足跡方案
- 產品類別規則: N/A
- 組織邊界: 營運控制權法
- 保證等級: 合理保證
- 實質性: 5%
- 全球暖化潛勢(GWP): IPCC 2021
- 分析方法: IPCC 2021 GWP 100a V1.00
- 生命週期軟體或資料庫: SimaPro Ver. 9.3.0.3 / Ecoinvent 3.8
- 產品: 整合式低壓直流無刷馬達
 - 邊界: 搖籃到大門
 - 數據期間: 2021.01.01 ~ 2021.12.31
 - 功能單位: 1 件(含包裝, 6.875 Kg)
 - 型號 / 碳排放量: ECMV-A81303PS / 58.02 公斤二氧化碳當量(Kg CO_{2e})

有效性:

本證書有效期自 2023/03/08 到 2025/03/07 止
本證書僅對標的產品碳足跡進行查驗, 未包含對外溝通的確認

2023-03-08

台灣德國萊因技術監護顧問股份有限公司
台灣 105 台北市八德路四段 758 號 11 樓

This verification and validation is based on the information made available to TÜV Rheinland and the engagement conditions detailed above. Therefore, TÜV Rheinland cannot guarantee the accuracy or correctness of this information. TÜV Rheinland cannot be held liable by any party relying or acting upon this verification and validation.

證書

盤查標準 **ISO 14067:2018**
證書登記號碼 **CO 50576868 0001**
報告號碼 **48200279 006**

證書持有者: **台達電子工業股份有限公司**
台灣 台北市內湖區瑞光路 186 號

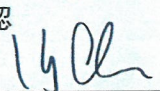
查證場址: **中達電子(江蘇)有限公司(吳江二廠)**
江蘇省蘇州市吳江經濟技術開發區江興東路 1688 號

查證方法: 查證機構: 台灣德國萊因技術監護顧問股份有限公司
- 過程: 文件審查, 訪談, 現場訪視與重新計算
- 查證標準: ISO 14064-3:2006

查證範圍: 基於取得的資訊進行評估之結論:
- 方案: 自願性碳足跡方案
- 產品類別規則: N/A
- 組織邊界: 營運控制權法
- 保證等級: 合理保證
- 實質性: 5%
- 全球暖化潛勢(GWP): IPCC 2021
- 分析方法: IPCC 2021 GWP 100a V1.00
- 生命週期軟體或資料庫: SimaPro Ver. 9.3.0.3 / Ecoinvent 3.8
- 產品: 開關電源
- 邊界: 搖籃到大門
- 數據期間: 2021.08.04 ~2022.07.23
- 功能單位: 1 件(含包裝, 0.505 kg)
- 型號 / 碳排放量:
ADP-400ER AB / 23.801 公斤二氧化碳當量(kg CO₂e)

有效性: 本證書有效期自 2023/03/13 到 2025/03/12 止
本證書僅對標的產品碳足跡進行查驗, 未包含對外溝通的確認

2023-03-13


台灣德國萊因技術監護顧問股份有限公司
台灣 105 台北市八德路四段 758 號 11 樓

This verification and validation is based on the information made available to TÜV Rheinland and the engagement conditions detailed above. Therefore, TÜV Rheinland cannot guarantee the accuracy or correctness of this information. TÜV Rheinland cannot be held liable by any party relying or acting upon this verification and validation.

證書

盤查標準

ISO 14067:2018

證書登記號碼

CO 50576843 0001

報告號碼

48200279 003

證書持有者:

台達電子工業股份有限公司
台灣 台北市內湖區瑞光路 186 號

查證場址:

台達電子工業股份有限公司(桃園二廠)
台灣 33341 台灣桃園市龜山區山鶯路 252 號

查證方法:

查證機構: 台灣德國萊因技術監護顧問股份有限公司
- 過程: 文件審查, 訪談, 現場訪視與重新計算
- 查證標準: ISO 14064-3:2006

查證範圍:

基於取得的資訊進行評估之結論:

- 方案: 自願性碳足跡方案
- 產品類別規則: EPD-PCR 微型基地台 (Femto Cell) 產品類別規則, PCR 2011:1.0, 2011.12.31
- 組織邊界: 營運控制權法
- 保證等級: 合理保證
- 實質性: 5%
- 全球暖化潛勢(GWP): IPCC 2021
- 分析方法: IPCC 2021 GWP 100a V1.00
- 生命週期軟體或資料庫: SimaPro Ver. 9.3.0.3 / Ecoinvent 3.8
- 產品: 無線基地台
 - 邊界: 搖籃到生命終期
 - 數據期間: 2022.01.01 ~ 2022.06.30
 - 功能單位: 1 件(含包裝, 2.176Kg)
 - 型號 / 碳排放量: AP 43-US / 298.12 公斤二氧化碳當量(Kg CO₂e)

有效性:

本證書有效期自 2023/03/08 到 2025/03/07 止
本證書僅對標的產品碳足跡進行查驗, 未包含對外溝通的確認

2023-03-08

台灣德國萊因技術監護顧問股份有限公司
台灣 105 台北市八德路四段 758 號 11 樓

This verification and validation is based on the information made available to TÜV Rheinland and the engagement conditions detailed above. Therefore, TÜV Rheinland cannot guarantee the accuracy or correctness of this information. TÜV Rheinland cannot be held liable by any party relying or acting upon this verification and validation.

證書

盤查標準 **ISO 14067:2018**
證書登記號碼 **CO 50576882 0001**
報告號碼 **48200279 009**

證書持有者: **乾坤科技股份有限公司**
台灣
300 新竹縣
新竹科學園區寶山鄉研發二路二號

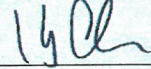
查證場址: **吳江華豐電子科技有限公司**
中國江蘇省蘇州市吳江經濟技術開發區吉市東路 168 號

查證方法: 查證機構: 台灣德國萊因技術監護顧問股份有限公司
- 過程: 文件審查, 訪談, 現場訪視與重新計算
- 查證標準: ISO 14064-3:2006

查證範圍: 基於取得的資訊進行評估之結論:
- 方案: 自願性碳足跡方案
- 產品類別規則: N/A
- 組織邊界: 營運控制權法
- 保證等級: 合理保證
- 實質性: 5%
- 全球暖化潛勢(GWP): IPCC 2021
- 分析方法: IPCC 2021 GWP 100a V1.00
- 生命週期軟體或資料庫: SimaPro Ver. 9.3.0.3 / Ecoinvent 3.8
- 產品: 電感
- 邊界: 搖籃到大門
- 數據期間: 2021.01.01~2021.12.31
- 功能單位: 1 公克(含包裝)
- 型號 / 碳排放量:
T-core series / 20.531 公克二氧化碳當量(g CO_{2e})

有效性: 本證書有效期自 2023/04/11 到 2025/04/10 止
本證書僅對標的產品碳足跡進行查驗, 未包含對外溝通的確認

2023-04-11


台灣德國萊因技術監護顧問股份有限公司
台灣 105 台北市八德路四段 758 號 11 樓

This verification and validation is based on the information made available to TÜV Rheinland and the engagement conditions detailed above. Therefore, TÜV Rheinland cannot guarantee the accuracy or correctness of this information. TÜV Rheinland cannot be held liable by any party relying or acting upon this verification and validation.

證書

盤查標準 **ISO 14067:2018**
證書登記號碼 **CO 50576870 0001**
報告號碼 **48200279 007**

證書持有者: **台達電子工業股份有限公司**
台灣
台北市
內湖區瑞光路 186 號

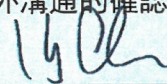
查證場址: **中達電子(江蘇)有限公司(吳江四廠)**
江蘇省蘇州市吳江經濟技術開發區江興東路 1688 號

查證方法: 查證機構: 台灣德國萊因技術監護顧問股份有限公司
- 過程: 文件審查, 訪談, 現場訪視與重新計算
- 查證標準: ISO 14064-3:2006

查證範圍: 基於取得的資訊進行評估之結論:
- 方案: 自願性碳足跡方案
- 產品類別規則: N/A
- 組織邊界: 營運控制權法
- 保證等級: 合理保證
- 實質性: 5%
- 全球暖化潛勢(GWP): IPCC 2021
- 分析方法: IPCC 2021 GWP 100a V1.00
- 生命週期軟體或資料庫: SimaPro Ver. 9.3.0.3 / Ecoinvent 3.8
- 產品: 數位投影機
- 邊界: 搖籃到大門
- 數據期間: 2021.01.01~2021.12.31
- 功能單位: 1 台(含包裝)
- 型號 / 碳排放量:
LX176-435BQET / 114.203 公斤二氧化碳當量(kg CO₂e)

有效性: 本證書有效期自 2023/04/11 到 2025/04/10 止
本證書僅對標的產品碳足跡進行查驗, 未包含對外溝通的確認

2023-04-11



台灣德國萊因技術監護顧問股份有限公司
台灣 105 台北市八德路四段 758 號 11 樓

This verification and validation is based on the information made available to TÜV Rheinland and the engagement conditions detailed above. Therefore, TÜV Rheinland cannot guarantee the accuracy or correctness of this information. TÜV Rheinland cannot be held liable by any party relying or acting upon this verification and validation.

證書

盤查標準 **ISO 14067:2018**
證書登記號碼 **CO 50576883 0001**
報告號碼 **48200279 010**

證書持有者: **台達電子工業股份有限公司**
台灣
台北市
內湖區瑞光路 186 號

查證場址: **中達電子(江蘇)有限公司(吳江七廠)**
江蘇省蘇州市吳江經濟技術開發區江興東路 1688 號

查證方法: 查證機構: 台灣德國萊因技術監護顧問股份有限公司
- 過程: 文件審查, 訪談, 現場訪視與重新計算
- 查證標準: ISO 14064-3:2006

查證範圍: 基於取得的資訊進行評估之結論:
- 方案: 自願性碳足跡方案
- 產品類別規則: N/A
- 組織邊界: 營運控制權法
- 保證等級: 合理保證
- 實質性: 5%
- 全球暖化潛勢(GWP): IPCC 2021
- 分析方法: IPCC 2021 GWP 100a V1.00
- 生命週期軟體或資料庫: SimaPro Ver. 9.3.0.3 / Ecoinvent 3.8
- 產品: 定子組件
- 邊界: 搖籃到大門
- 數據期間: 2021.01.01~2021.12.31
- 功能單位: 1 件(含包裝)
- 型號 / 碳排放量:
SM-2148105K1 / 72.735 公斤二氧化碳當量(kg CO₂e)

有效性: 本證書有效期自 2023/04/11 到 2025/04/10 止
本證書僅對標的產品碳足跡進行查驗, 未包含對外溝通的確認

2023-04-11

台灣德國萊因技術監護顧問股份有限公司
台灣 105 台北市八德路四段 758 號 11 樓

This verification and validation is based on the information made available to TÜV Rheinland and the engagement conditions detailed above. Therefore, TÜV Rheinland cannot guarantee the accuracy or correctness of this information. TÜV Rheinland cannot be held liable by any party relying or acting upon this verification and validation.

證書

盤查標準

ISO 14067:2018

證書登記號碼

CO 50576851 0001

報告號碼

48200279 004

證書持有者:

台達電子工業股份有限公司

台灣

台北市

內湖區瑞光路 186 號

查證場址:

中達電子(江蘇)有限公司(吳江五廠)

江蘇省蘇州市吳江經濟技術開發區江興東路 1688 號

查證方法:

查證機構: 台灣德國萊因技術監護顧問股份有限公司

- 過程: 文件審查, 訪談, 現場訪視與重新計算
- 查證標準: ISO 14064-3:2006

查證範圍:

基於取得的資訊進行評估之結論:

- 方案: 自願性碳足跡方案
- 產品類別規則: N/A
- 組織邊界: 營運控制權法
- 保證等級: 合理保證
- 實質性: 5%
- 全球暖化潛勢(GWP): IPCC 2021
- 分析方法: IPCC 2021 GWP 100a V1.00
- 生命週期軟體或資料庫: SimaPro Ver. 9.3.0.3 / Ecoinvent 3.8
- 產品: 直流無刷馬達散熱風扇
 - 邊界: 搖籃到大門
 - 數據期間: 2021.06.01~2021.12.31
 - 功能單位: 1 件(含包裝)
 - 型號 / 碳排放量:
ASB1212SJ-00GZC / 1.612 公斤二氧化碳當量(kg CO₂e)

有效性:

本證書有效期自 2023/04/11 到 2025/04/10 止

本證書僅對標的產品碳足跡進行查驗, 未包含對外溝通的確認

2023-04-11

台灣德國萊因技術監護顧問股份有限公司
台灣 105 台北市八德路四段 758 號 11 樓

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