

# Certificate

Inventory Standard **ISO 14064-1:2018**

Certificate Registr. No. **CF 50631151 0001**

Report No. **70369912 001**

Certificate Holder: **TWS Technology (Guangzhou) Limited**  
Floor 1/2/3, Building(1), No.39, Nanyunsan Road, Science Park,  
Guangzhou Hi-Tech Industrial Development Zone, Guangzhou City,  
Guangdong, P. R. China

Verification Site: **TWS Technology (Guangzhou) Limited**  
Office Building(G), Floor 1/2/3, Building(1), No.39, Nanyunsan Road,  
Science Park, Guangzhou Hi-Tech Industrial Development Zone,  
Guangzhou City, Guangdong, P. R. China

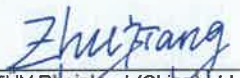
Verification Method: Verification Body: TÜV Rheinland (China) Ltd.  
- Process: Document review, interview, site visit and recalculation  
- Verification Standard: ISO 14064-3:2019

Verification Scope: Based on the information we have received and evaluated that:

- Programme: Voluntary GHG scheme
- Organizational Boundary: Operational Control
- Level of Assurance: Reasonable
- Materiality: 5%
- Global warming potential (GWP): IPCC 2021
- Base year: 2023 (2023.01.01~2023.12.31)
- Inventory year: 2023 (2023.01.01~2023.12.31)
- The total carbon emission is 43244.15 tonnes CO<sub>2</sub> equivalent (tCO<sub>2</sub>e)
  - Category 1 Direct emission is 203.80 tCO<sub>2</sub>e
  - Category 2 Indirect imported energy emission is 4847.83 tCO<sub>2</sub>e
  - Category 3 Indirect transportation emission is 5055.03 tCO<sub>2</sub>e
  - Category 4 Indirect products used by organization emission is 33137.49 tCO<sub>2</sub>e
  - Category 5 Indirect associated with the use of products from the organization emission is not quantified
  - Category 6 Indirect other sources emission is not quantified
- Data and information
  - Historical in nature: Category 1 / 2
  - Historical in nature with scenario models: Category 3 / 4
- The electricity emission factor refers to the Guangdong province electricity average CO<sub>2</sub> emission factor from the 2021 electricity CO<sub>2</sub> emission factors published by the Ministry of Ecology and Environment and the Bureau of Statistics of China

Validity: This certificate only reviewed the emissions data of inventory year, this certificate is not for the management systems certification.

2024-05-21

  
TÜV Rheinland (China) Ltd.

Room 301, 3F and Room 1203, 12F, Building 4, No.15, Ronghua South Road,  
Beijing Economic-Technological Development Area, Beijing (Yizhuang group in  
high-end industrial area of Beijing Pilot Free Trade Zone), 100176, P. R. China

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.

# 证书

测算标准 **ISO 14064-1:2018**

证书登记号码 **CF 50631151 0001**

报告号码 **70369912 001**

证书持有者: **广州明美新能源股份有限公司**  
中国广东省广州市广州高新技术产业开发区科学城南云三路 39 号 (1) 栋首层、二层、三层

核查场址: **广州明美新能源股份有限公司**  
中国广东省广州市广州高新技术产业开发区科学城南云三路 39 号 (1) 栋首层、二层、三层, G 栋办公楼

核查方法: 核查方: 莱茵检测认证服务 (中国) 有限公司  
- 过程: 文件审查、访谈、现场核查与重新计算  
- 核查标准: ISO 14064-3:2019

核查范围: 基于取得的信息进行评估之结论:  
- 方案: 自愿性温室气体方案  
- 组织边界: 营运控制权法  
- 保证等级: 合理保证  
- 实质性: 5%  
- 全球暖化潜势(GWP): IPCC 2021  
- 基准年为: 2023 (2023.01.01~2023.12.31)  
- 核查年为: 2023 (2023.01.01~2023.12.31)  
- 碳排放总量为 43244.15 吨二氧化碳当量(tCO<sub>2</sub>e)  
- 类别一 直接排放为 203.80 tCO<sub>2</sub>e  
- 类别二 间接 能源排放为 4847.83 tCO<sub>2</sub>e  
- 类别三 间接 运输排放为 5055.03 tCO<sub>2</sub>e  
- 类别四 间接 组织使用产品排放为 33137.49 tCO<sub>2</sub>e  
- 类别五 间接 与使用组织产品有关排放为未量化  
- 类别六 间接 其它排放为未量化  
- 数据与资讯:  
- 历史性资料: 类别一 / 类别二  
- 历史性资料及情境模型: 类别三 / 类别四  
- 电力排放因子引用中国生态环境部和统计局公布的 2021 年电力二氧化碳排放因子中的广东省电力平均二氧化碳排放因子

有效性: 本证书仅对核查年度进行核查, 非对管理体系进行认证

2024-05-21



莱茵检测认证服务 (中国) 有限公司

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