

Test Report

For

ANSI/CAN/UL9540A

Test Method for Evaluating Thermal Runaway Fire Propagation in Battery Energy Storage Systems [Unit Level]

Report Number: CQES240600043401

Date of issue: 2024-07-12

Total number of pages: 44

Lithium iron phosphate battery system /

LUX-X-48100LMG01-US, LUX-X-48100LCG01-US,

LUX-X-48100LG01-USM2, LUX-X-48100LG01-USM3, Test object / Model:

LUX-X-48100LG01-USM4, LUX-X-48100LG01-USM5, LUX-X-48100LG01-USM6, LUX-X-48100LG01-USM7,

LUX-X-48100LG01-USM8

Applicant's name: Guangdong Felicity New Energy Co., Ltd.

(Konggangbaiyun) No. 2, Donghua Huaye Road, Renhe Address: Town, Baiyun Area, Guangzhou, Guangdong, China



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Report Number: CQES240600043401

Manufacturer: Guangdong Felicity New Energy Co., Ltd.

Address: (Konggangbaiyun) No. 2, Donghua Huaye Road, Renhe Town, Baiyun Area,

Guangzhou, Guangdong, China

Factory: Guangdong Felicity New Energy Co., Ltd.

Address: (Konggangbaiyun) No. 2, Donghua Huaye Road, Renhe Town, Baiyun Area,

Guangzhou, Guangdong, China

Test object / Model: Lithium iron phosphate battery system /

LUX-X-48100LMG01-US, LUX-X-48100LCG01-US, LUX-X-48100LG01-USM2, LUX-X-48100LG01-USM3, LUX-X-48100LG01-USM4, LUX-X-48100LG01-USM5, LUX-X-48100LG01-USM6, LUX-X-48100LG01-USM7,

LUX-X-48100LG01-USM8

Test specifications: ANSI/CAN/UL9540A:2019 Test Method for Evaluating Thermal Runaway Fire

Propagation in Battery Energy Storage Systems Fourth Edition, Dated November 12, 2019

 Date of receipt:
 2024-06-01

 Sample No.:
 M1, M2

Test Period: 2024-06-20 to 2026-06-25

Issuing Laboratory: SGS-CEC New Energy Technology (Chongqing) Co., Ltd.

Address: Building 13 & 14, No. 1839, Ranjun Road, Shuangfu Street, Jiangjin District,

Chongging, China

Testing location: SGS-CEC New Energy Technology (Chongqing) Co., Ltd.

Building 13 & 14, No. 1839, Ranjun Road, Shuangfu Street, Jiangjin District,

Chongging, China

Test Result: Refer to summary of test results page for details.

Remark: Test results reported relate only to the items being tested.

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Confidential level: Private and Confidential

☐ Public

Tested by / Witness by

Reviewed by

Kyle Tian Project Engineer

Ryan Hu Technical Manager



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