



CERTIFICATE OF COMPLIANCE

Certificate Number: SGSNA/24/SH/00044

Contract Number: 801898

Certificate Project Number: SH-CERT240100005

Certified Product: High Voltage Hybrid ESS/L3 Series LimitLess Lithium™

Trademarks: 

Model(s): GE-FH60-S60-CY-US, GE-FL60-S30-CY-US
(Y=1,2,3,4,5,6, which means the number of battery racks)

Technical Data: See page 2-3

Certificate Holder: NINGBO DEYE ESS TECHNOLOGY CO., LTD
No.18, Zhenlong 2 Road, Binhai Economic Development Zone, Cixi, Ningbo,
Zhejiang, China

This certificate supercedes previous certificates issued with the same certificate number. Certification is valid when products are indicated on the SGS directory of certified products at www.sgs.com or using the QR code below. The product is certified according to ISO/IEC Guide 17067, Conformity assessment - Fundamentals of product certification, System 3, and in accordance with:

ANSI/CAN/UL 9540:2023, Third Edition, Dated June 28, 2023

Authorized by:



Mark Lohmann
Certifier

Effective date: 30 January 2024



Certification Body

Connectivity & Products, a division of SGS North America Inc.
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Additional Information:

Technical Data:

GE-FH60-S60-CY-US series and GE-FL60-S30-CY-US series can be matched with different numbers of battery racks(the maximum number is 6). And it is simply connected in parallel to increase the system capacity, the models and ratings of battery rack and PCS have not changed, so the ratings of PCS and battery rack are written in the report.

For GE-FH60-S60-CY-US type series

PCS part:

AC Connection

AC Input/Output Voltage: 3L/N/PE 277/480Va.c.
 AC Input/Output Frequency: 60Hz
 AC Input/Output Rated Current: 72.3Aa.c.
 Max. AC Input/Output Current: 72.3Aa.c.
 AC Input/Output Rated Power: 60000W
 Max. Active Input/ Output Power: 60000W
 Max. Continuous AC Passthrough current: 200Aa.c.

Battery Connection

Battery Voltage Range: 160~800 Vd.c

PV Connection

Max. PV Input Voltage: 1000Vd.c
 MPPT Input Range: 150Vd.c.-850Vd.c.
 Max. PV Input Current: 36Ad.c.+36Ad.c.+36Ad.c.+36Ad.c.
 Max. PV Input Power: 78000W

Battery Part

GE-FH60
 Nominal Voltage: 614.4Vdc
 Rated Energy: 61.44kWh
 Nominal Charge/Discharge Current: 100Ad.c.
 Charge Temperature: 0~55°C
 Discharge Temperature: -20°C~55°C

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For GE-FL60-S30-CY-US type series

PCS part:

AC Connection

AC Input/Output Voltage: 3L/N/PE 120/208Va.c.
 AC Input/Output Frequency: 60Hz
 AC Input/Output Rated Current: 83.4Aa.c.
 Max. AC Input/Output Current: 83.4Aa.c.
 AC Input/Output Rated Power: 30000W
 Max. Active Input/ Output Power: 30000W
 Max. Continuous AC Passthrough current: 200Aa.c.

Battery Connection

Battery Voltage Range: 160~500Vd.c.

PV Connection

Max. PV Input Voltage: 550Vd.c.
 MPPT Input Range: 150Vd.c.-500Vd.c.
 Max. PV Input Current: 36Ad.c.+36Ad.c.+36Ad.c. +36Ad.c.
 Max. PV Input Power: 39000W

Battery Part

GE-FL60
 Nominal Voltage: 307.2Vdc
 Rated Energy: 61.44kWh
 Nominal Charge/Discharge Current: 100Ad.c.
 Charge Temperature: 0°C ~55°C
 Discharge Temperature: -20°C ~55°C

Other Ratings: Energy storage system protection rating: IP55

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