



CERTIFICATE OF COMPLIANCE

Certificate Number: SGSNA/23/SH/00366

Contract Number: 801898

Certificate Project Number: SH-CERT230905366

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

Trademarks:



Model(s):

BOS-GX-S60-CY-US, BOS-GHX-S60-CY-US(X=20,25,30,35,40,45,50,55,60, which means the capacity of each battery cluster, and unit is kWh; Y=1,2,3,4,5...,14,15,16, which means the number of battery clusters)

BOS-GX-S30-CY-US(X=20,25,30,35,40, which means the capacity of each battery cluster, and unit is kWh; Y=1,2,3,4,5...,14,15,16, which means the number of battery clusters)

BOS-GLX-S30-CY-US(X=30,40,50,60, which means the capacity of each battery cluster, and unit is kWh; Y=1,2,3,4,5...,14,15,16, which means the number of battery clusters)

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, 2nd Ed. Rev. April 9, 2021

Authorized by:

Effective date: 16 May 2024



Mark Lohmann
Certifier



Certification Body

Connectivity & Products, a division of SGS North America Inc.
620 Old Peachtree Road, Ste. 100, Suwanee, GA 30024, USA
t +1 770 570 1800 f +1 770 277 1240 www.sgs.com



CERTIFICATE OF COMPLIANCE

Certificate Number: SGSNA/23/SH/00366

Contract Number: 801898

Certificate Project Number: SH-CERT230905366

Technical Data:

Since there are a variety of battery cluster models, and the maximum number of battery clusters that can be matched is 16 (in parallel). It is simply connected in parallel to increase the system capacity, the models and ratings of battery cluster and PCS have not changed, so the ratings of PCS and different models of battery clusters are written in the report.

For BOS-GX-S60-CY-US and BOS-GHX-S60-CY-US type series

PCS part:

AC Connection

3L/N/PE 277/480Va.c., 60Hz, 72.3Aa.c., 60000W, 200Aa.c.;

Battery Connection

Battery Voltage Range: 160~800 Vd.c

PV Connection

1000Vd.c, 150Vd.c-850Vd.c., 36Ad.c.+36Ad.c.+36Ad.c.+36Ad.c., 78000W

Battery Part

BOS-GX, BOS-GHX(X=20,25,30,35,40,45,50,55,60)

General ratings:

Nominal Current: 100Ad.c.

Charge Temperature: 0°C~55°C

Discharge Temperature: -20°C~55°C

IP Rating of Enclosure: IP20

Other ratings:

Model of Battery cluster	Rated voltage	Rated Capacity
BOS-G20/BOS-GH20	204.8Vdc	20.48kWh
BOS-G25/BOS-GH25	256.0Vdc	25.60kWh
BOS-G30/BOS-GH30	307.2Vdc	30.72kWh
BOS-G35/BOS-GH35	358.4Vdc	35.84kWh
BOS-G40/BOS-GH40	409.6Vdc	40.96kWh
BOS-G45/BOS-GH45	460.8Vdc	46.08kWh
BOS-G50/BOS-GH50	512.0Vdc	51.20kWh
BOS-G55/BOS-GH55	563.2Vdc	56.32kWh
BOS-G60/BOS-GH60	614.4Vdc	61.44kWh

Certification Body

Connectivity & Products, a division of SGS North America Inc.
620 Old Peachtree Road, Ste. 100, Suwanee, GA 30024, USA
t +1 770 570 1800 f +1 770 277 1240 www.sgs.com

CERTIFICATE OF COMPLIANCE

Certificate Number:

Contract Number: 801898
Certificate Project Number: SH-CERT230905366
Technical Data:

For BOS-GX-S30-CY-US and BOS-GLX-S30-CY-US type series

PCS part:

AC Connection

3L/N/PE 120/208Va.c., 60Hz, 83.4Aa.c., 30000W, 200Aa.c.

Battery Connection

Battery Voltage Range: 160~500Vd.c.

PV Connection

550Vd.c., 150Vd.c.-500Vd.c., 36Ad.c.+36Ad.c.+36Ad.c.+36Ad.c., 39000W

Battery Part

BOS-GX(X=20,25,30,35,40) , BOS-GLX(X=30,40,50,60)

General ratings:

Nominal Current: 100Ad.c.

Charge Temperature: 0°C~55°C

Discharge Temperature: -20°C~55°C

IP Rating of Enclosure: IP20

Other ratings:

Model of Battery cluster	Rated voltage	Rated Capacity
BOS-G20	204.8Vdc	20.48kWh
BOS-G25	256.0Vdc	25.60kWh
BOS-G30	307.2Vdc	30.72kWh
BOS-G35	358.4Vdc	35.84kWh
BOS-G40	409.6Vdc	40.96kWh
BOS-GL30	153.6Vdc	30.72kWh
BOS-GL40	204.8Vdc	40.96kWh
BOS-GL50	256.0Vdc	51.20kWh
BOS-GL60	307.2Vdc	61.44kWh

Other Ratings: Energy storage system protection rating: IP20 (limited by battery system)

Certification Body

Connectivity & Products, a division of SGS North America Inc.
 620 Old Peachtree Road, Ste. 100, Suwanee, GA 30024, USA
 t +1 770 570 1800 f +1 770 277 1240 www.sgs.com