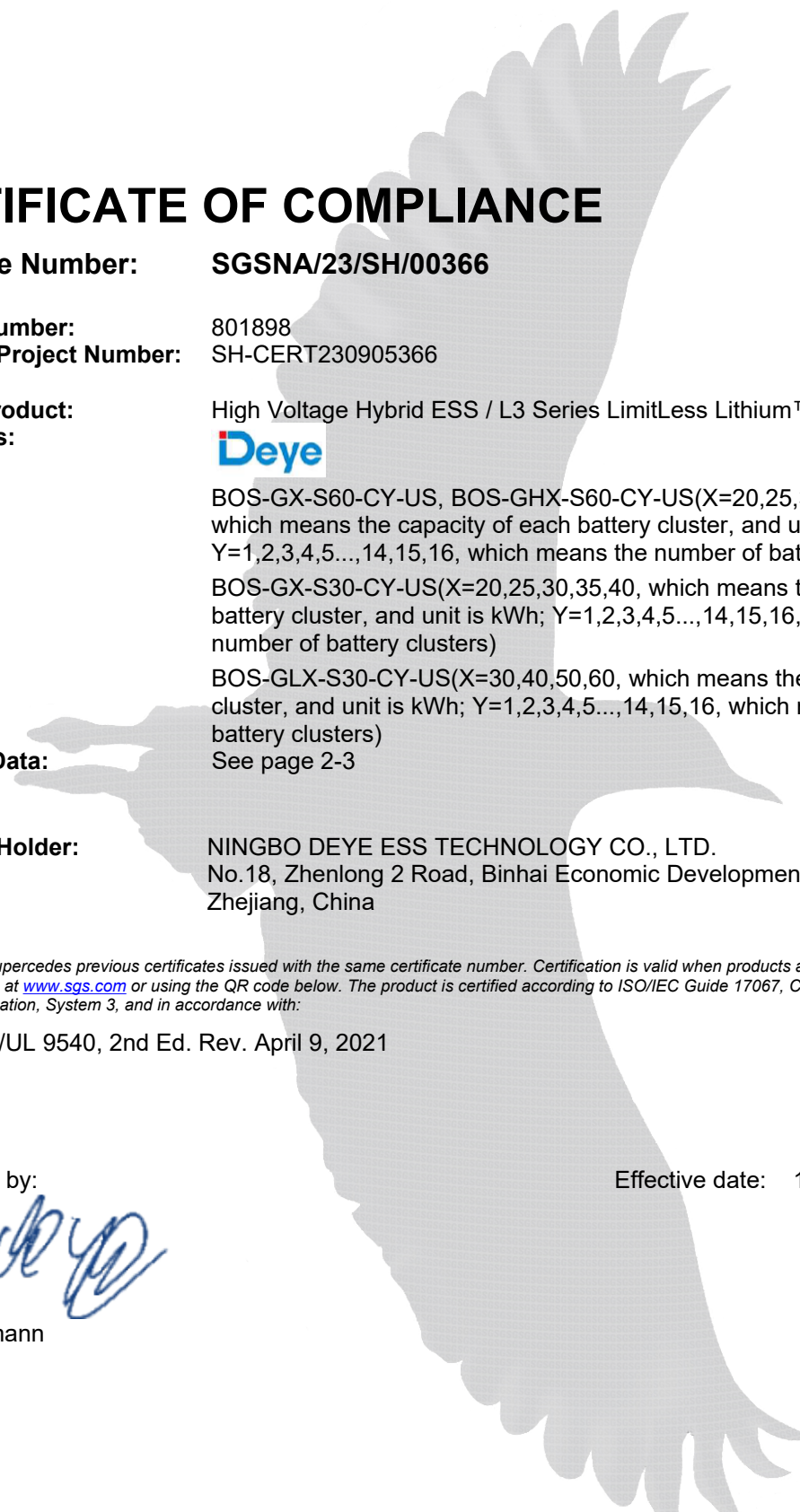




# CERTIFICATE OF COMPLIANCE

**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](http://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.  
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t +1 770 570 1800 f +1 770 277 1240 [www.sgs.com](http://www.sgs.com)



# CERTIFICATE OF COMPLIANCE

**Certificate Number:** SGSNA/23/SH/00366

**Contract Number:** 801898

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**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       |

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# 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)

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