



# CERTIFICATE OF COMPLIANCE

**Certificate Number:** SGSNA/25/GZ/00210

**Contract Number:** 802330

**Certificate Project Number:** GZ-CERT241204742

**Certified Product:** Solar Home Energy Storage System

**Trademarks:**

**GSL ENERGY**

**Model(s):**

CESS60K60, CESS60KX-Y, CESS50K60, CESS50KX-Y,  
CESS40K50, CESS40KX-Y, CESS30K40, CESS30KX-Y  
(X=20, 25, 30, 35, 40, 45, 50, 55, 60 which means the capacity of each battery  
rack, and unit is kWh; Y=2, 3, 4, 5, 6..., 11, 12, 13, 14, 15, 16 which means the  
number of battery racks)

**Technical Data:** See Page 2-5

**Certificate Holder:** Shenzhen GSL Energy Co., Ltd.  
A601-602, Building 1, Tianan Cyber Park, Long Gang Central City, Shenzhen,  
Guangdong, 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 9540:2023, Third Edition, Dated June 28, 2023

Authorized by:

Effective date: 11 June 2025



Mark Lohmann  
Certifier



## Certification Body

Connectivity & Products, a division of SGS North America Inc.  
620 Old Peachtree Road, Ste. 100, Suwanee, GA 30024, USA  
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## Technical Data:

### For CESS60K60 and CESS60KX-Y series

PCS part: 60K-3P-480V

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

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: 96000W

Battery Part

GSL-RXK (X=20, 25, 30, 35, 40, 45, 50, 55, 60)

General ratings:

Nominal Charge/Discharge Current: 100Ad.c.

Charge Temperature: 0°C~55°C

Discharge Temperature: -20°C~60°C

IP Rating of Enclosure: IP20

Other ratings:

GSL-R20: Rated voltage: 204.8Vdc, Rated capacity: 20.48kWh;

GSL-R25: Rated voltage: 256.0Vdc, Rated capacity: 25.60kWh;

GSL-R30: Rated voltage: 307.2Vdc, Rated capacity: 30.72kWh;

GSL-R35: Rated voltage: 358.4Vdc, Rated capacity: 35.84kWh;

GSL-R40: Rated voltage: 409.6Vdc, Rated capacity: 40.96kWh;

GSL-R45: Rated voltage: 460.8Vdc, Rated capacity: 46.08kWh;

GSL-R50: Rated voltage: 512.0Vdc, Rated capacity: 51.20kWh;

GSL-R55: Rated voltage: 563.2Vdc, Rated capacity: 56.32kWh;

GSL-R60: Rated voltage: 614.4Vdc, Rated capacity: 61.69kWh.

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**Contract Number:** 802330

**Certificate Project Number:** GZ-CERT241204742

## Technical Data:

### For CESS50K60 and CESS50KX-Y series

PCS part: 50K-3P-480V

AC Connection

AC Input/Output Voltage: 3L/N/PE 277/480Va.c.

AC Input/Output Frequency: 60Hz

AC Input/Output Rated Current: 60.2Aa.c.

Max. AC Input/Output Current: 60.2Aa.c.

AC Input/Output Rated Power: 50000W

Max. Active Input/ Output Power: 50000W

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: 80000W

Battery Part

GSL-RXK (X=20, 25, 30, 35, 40, 45, 50, 55, 60)

General ratings:

Nominal Charge/Discharge Current: 100Ad.c.

Charge Temperature: 0°C~55°C

Discharge Temperature: -20°C~60°C

IP Rating of Enclosure: IP20

Other ratings:

GSL-R20: Rated voltage: 204.8Vdc, Rated capacity: 20.48kWh;

GSL-R25: Rated voltage: 256.0Vdc, Rated capacity: 25.60kWh;

GSL-R30: Rated voltage: 307.2Vdc, Rated capacity: 30.72kWh;

GSL-R35: Rated voltage: 358.4Vdc, Rated capacity: 35.84kWh;

GSL-R40: Rated voltage: 409.6Vdc, Rated capacity: 40.96kWh;

GSL-R45: Rated voltage: 460.8Vdc, Rated capacity: 46.08kWh;

GSL-R50: Rated voltage: 512.0Vdc, Rated capacity: 51.20kWh;

GSL-R55: Rated voltage: 563.2Vdc, Rated capacity: 56.32kWh;

GSL-R60: Rated voltage: 614.4Vdc, Rated capacity: 61.69kWh.

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## Technical Data:

**For CESS40K50 and CESS40KX-Y series**

PCS part: 40K-3P-480V

AC Connection

AC Input/Output Voltage: 3L/N/PE 277/480Va.c.

AC Input/Output Frequency: 60Hz

AC Input/Output Rated Current: 48.2Aa.c.

Max. AC Input/Output Current: 48.2Aa.c.

AC Input/Output Rated Power: 40000W

Max. Active Input/ Output Power: 40000W

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: 64000W

Battery Part

GSL-RXK (X=20, 25, 30, 35, 40, 45, 50, 55, 60)

General ratings:

Nominal Charge/Discharge Current: 100Ad.c.

Charge Temperature: 0°C~55°C

Discharge Temperature: -20°C~60°C

IP Rating of Enclosure: IP20

Other ratings:

GSL-R20: Rated voltage: 204.8Vdc, Rated capacity: 20.48kWh;

GSL-R25: Rated voltage: 256.0Vdc, Rated capacity: 25.60kWh;

GSL-R30: Rated voltage: 307.2Vdc, Rated capacity: 30.72kWh;

GSL-R35: Rated voltage: 358.4Vdc, Rated capacity: 35.84kWh;

GSL-R40: Rated voltage: 409.6Vdc, Rated capacity: 40.96kWh;

GSL-R45: Rated voltage: 460.8Vdc, Rated capacity: 46.08kWh;

GSL-R50: Rated voltage: 512.0Vdc, Rated capacity: 51.20kWh;

GSL-R55: Rated voltage: 563.2Vdc, Rated capacity: 56.32kWh;

GSL-R60: Rated voltage: 614.4Vdc, Rated capacity: 61.69kWh.

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## Technical Data:

**For CESS30K40 and CESS30KX-Y series**

PCS part: 30K-3P-480V

AC Connection

AC Input/Output Voltage: 3L/N/PE 277/480Va.c.

AC Input/Output Frequency: 60Hz

AC Input/Output Rated Current: 36.2Aa.c.

Max. AC Input/Output Current: 36.2Aa.c.

AC Input/Output Rated Power: 30000W

Max. Active Input/ Output Power: 30000W

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.

Max. PV Input Power: 48000W

Battery Part

GSL-RXK (X=20, 25, 30, 35, 40, 45, 50, 55, 60)

General ratings:

Nominal Charge/Discharge Current: 100Ad.c.

Charge Temperature: 0°C~55°C

Discharge Temperature: -20°C~60°C

IP Rating of Enclosure: IP20

Other ratings:

GSL-R20: Rated voltage: 204.8Vdc, Rated capacity: 20.48kWh;

GSL-R25: Rated voltage: 256.0Vdc, Rated capacity: 25.60kWh;

GSL-R30: Rated voltage: 307.2Vdc, Rated capacity: 30.72kWh;

GSL-R35: Rated voltage: 358.4Vdc, Rated capacity: 35.84kWh;

GSL-R40: Rated voltage: 409.6Vdc, Rated capacity: 40.96kWh;

GSL-R45: Rated voltage: 460.8Vdc, Rated capacity: 46.08kWh;

GSL-R50: Rated voltage: 512.0Vdc, Rated capacity: 51.20kWh;

GSL-R55: Rated voltage: 563.2Vdc, Rated capacity: 56.32kWh;

GSL-R60: Rated voltage: 614.4Vdc, Rated capacity: 61.69kWh.

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