



CERTIFICATE OF COMPLIANCE

Certificate Number: SGSNA/25/GZ/00210

Contract Number: 802330

Certificate Project Number: GZ-CERT241204742

Certified Product: Solar Home Energy Storage System

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 supersedes 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: 11 June 2025



CERTIFICATE OF COMPLIANCE

Certificate Number: SGSNA/25/GZ/00210

Contract Number: 802330

Certificate Project Number: GZ-CERT241204742

Technical Data:

For CESS60K60 and CESS60KX-Y series

PCS part: 60K-3P-480V

AC Connection

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

AC Input/Output Frequency: 60Hz

AC Input/Output Rated Current: 72.3A a.c.

Max. AC Input/Output Current: 72.3A a.c.

AC Input/Output Rated Power: 60000W

Max. Active Input/ Output Power: 60000W

Battery Connection

Battery Voltage Range: 160~800 V d.c

PV Connection

Max. PV Input Voltage: 1000V d.c

MPPT Input Range: 150V d.c.-850V d.c.

Max. PV Input Current: 36A d.c.+36A d.c.+36A d.c.+36A d.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: 100A d.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.

CERTIFICATE OF COMPLIANCE

Certificate Number: SGSNA/25/GZ/00210

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.

CERTIFICATE OF COMPLIANCE

Certificate Number: SGSNA/25/GZ/00210

Contract Number: 802330

Certificate Project Number: GZ-CERT241204742

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.

CERTIFICATE OF COMPLIANCE

Certificate Number: SGSNA/25/GZ/00210

Contract Number: 802330

Certificate Project Number: GZ-CERT241204742

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.