

CERTIFICATE OF COMPLIANCE

Certificate Number: SGSNA/24/SH/00108

Contract Number: 802330
Certificate Project Number: SH-CERT240201186

Certified Product: Solar Home Energy Storage System
Trademarks: **GSL ENERGY**
Model(s): IP20 series:
GSL-HESS5K28M-IP20, GSL-HESS6K28M-IP20, GSL-HESS8K28M-IP20, GSL-HESS10K28M-IP20
IP65 series:
GSL-HESS5K28M-IP65, GSL-HESS6K28M-IP65, GSL-HESS8K28M-IP65, GSL-HESS10K28M-IP65
IP65 Floor series:
GSL-HESS5K28MF-IP65, GSL-HESS6K28MF-IP65, GSL-HESS8K28MF-IP65, GSL-HESS10K28MF-IP65

Technical Data: See page 2-3

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 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: 02 December 2024

Mark Lohmann
Certifier



Certification Body

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

IP20 series:

Note: The system includes one PCS and two battery systems.

GSL-HESS5K28M-IP20

Battery Part:

GSL051280A-B-GBP2

Nominal Voltage: 51.2Vdc; Max. Output Electrical Energy: 14.34kWh*2; Operating Ambient Temperature: 0°C ~ 45°C (Charge), -20°C ~ 55°C (Discharge), IP20

PCS Part:

R5KLNA

PV side: 120-500V(500Vmax), 14A*4 Maximum;

Batteries side: 40-60V, 120Amax

AC grid side: 5kW, 120Vac/240Vac Split phase, 60Hz, 20.8A(22.9Amax), -0.8~+0.8

EPS side: 120Vac/240Vac, Split phase, 60Hz, 5KVA, 20.8A

GSL-HESS6K28M-IP20

Battery Part:

GSL051280A-B-GBP2

Nominal Voltage: 51.2Vdc; Max. Output Electrical Energy: 14.34kWh *2; Operating Ambient Temperature: 0°C ~ 45°C (Charge), -20°C ~ 55°C (Discharge), IP20

PCS Part:

R6KLNA

PV side: 120-500V(500Vmax), 14A*4 Maximum;

Batteries side: 40-60V, 135Amax

AC grid side: 6kW, 120Vac/240Vac Split phase, 60Hz, 25A(27.5Amax), -0.8~+0.8

EPS side: 120Vac/240Vac, Split phase, 60Hz, 6KVA, 25A

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GSL-HESS8K28M-IP20

Battery Part:

GSL051280A-B-GBP2

Nominal Voltage: 51.2Vdc; Max. Output Electrical Energy: 14.34kWh *2; Operating Ambient Temperature: 0°C ~ 45°C (Charge), -20°C ~ 55°C (Discharge), IP20

PCS Part:

R8KLNA

PV side: 120-500V(500Vmax), 14A*4 Maximum;

Batteries side: 40-60V, 190Amax

AC grid side: 8kW, 120Vac/240Vac Split phase, 60Hz, 33.3A(36.7Amax), -0.8~+0.8

EPS side: 120Vac/240Vac, Split phase, 60Hz, 8KVA, 33.3A

GSL-HESS10K28M-IP20

Battery Part:

GSL051280A-B-GBP2

Nominal Voltage: 51.2Vdc; Max. Output Electrical Energy: 14.34kWh *2; Operating Ambient Temperature: 0°C ~ 45°C (Charge), -20°C ~ 55°C (Discharge), IP20

PCS Part:

R10KLNA

PV side: 120-500V(500Vmax), 14A*4 Maximum;

Batteries side: 40-60V, 190Amax (for charging), 210Amax (for discharging)

AC grid side: 10kW, 120Vac/240Vac Split phase, 60Hz, 41.7A(45.8Amax), -0.8~+0.8

EPS side: 120Vac/240Vac, Split phase, 60Hz, 10KVA, 41.7A

IP65 and IP65 Floor series:

PCS Part:

Same as the PCS model used in IP20 series.

Battery Part:

GSL051280A-B-GBP2 for IP65 series

GSL051280A-B-GBP2F for IP65 floor series

IP rating of battery enclosure is IP65, other ratings are same as the battery used in IP20 series.

Other Ratings: TYPE 3R for PCS and IP20/IP65 for Battery

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