

CERTIFICATE OF COMPLIANCE

Certificate Number: SGSNA/24/SH/00065

Contract Number: 802329

Certificate Project Number: SH-CERT240100005

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

Trademarks: Sol-Ark

Model(s): L3 HVR-60KWH-60K, L3 HVR-60KWH-30K,

L3 HVR-60KWH-60K-Y(Y=2,3,4,5,6), L3 HVR-60KWH-30K-Y (Y=2,3,4,5,6)

Effective date: 20 February 2024

Technical Data: See page 2-3

Certificate Holder: Portable Solar LLC d/b/a Sol-Ark

805 Central Expwy S Allen, TX 75013, USA

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

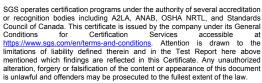
Authorized by:

Mark Lohmann Certifier

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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







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Additional Information:

Technical Data:

L3 HVR-60KWH-60K, L3 HVR-60KWH-60K-Y (Y=2,3,4,5,6) series and

L3 HVR-60KWH-30K, L3 HVR-60KWH-30K-Y (Y=2,3,4,5,6) series can be matched with different numbers of battery racks (the maximum number is 6). And it is simply connected in parallel to increase the system capacity, the models and ratings of battery rack and PCS have not changed, so the ratings of PCS and battery rack are written in the report.

L3 HVR-60KWH-60K, L3 HVR-60KWH-60K-Y(Y=2,3,4,5,6) series:

PCS part: 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

AC Input/Output Rated Power: 60000W Max. Active Input/ Output Power: 60000W

Max. Continuous AC Passthrough current: 200Aa.c.

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: 78000W

Battery Part: L3 HVR-60

Nominal Voltage: 614.4Vdc Rated Energy: 61.44kWh

Nominal Charge/Discharge Current: 100Ad.c.

Charge Temperature: 0~55°C

Discharge Temperature: -20°C~55°C;

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L3 HVR-60KWH-30K, L3 HVR-60KWH-30K-Y (Y=2,3,4,5,6) series:

PCS part: AC Connection

AC Input/Output Voltage: 3L/N/PE 120/208Va.c.

AC Input/Output Frequency: 60Hz
AC Input/Output Rated Current: 83.4Aa.c.
Max. AC Input/Output Current: 83.4Aa.c.
AC Input/Output Rated Power: 30000W
Max. Active Input/ Output Power: 30000W

Max. Continuous AC Passthrough current: 200Aa.c.

Battery Connection

Battery Voltage Range: 160~500Vd.c.

PV Connection

Max. PV Input Voltage: 550Vd.c. MPPT Input Range: 150Vd.c.-500Vd.c.

Max. PV Input Current: 36Ad.c.+36Ad.c.+36Ad.c. +36Ad.c.

Max. PV Input Power: 39000W

Battery Part: L3 HVR-60

Nominal Voltage: 307.2Vdc Rated Energy: 61.44kWh

Nominal Charge/Discharge Current: 100Ad.c.

Charge Temperature: 0°C ~55°C Discharge Temperature: -20°C ~55°C

Other Ratings: Energy storage system protection rating: IP55

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