

## CERTIFICATE OF COMPLIANCE

Certificate Number: SGSNA/24/GZ/00151

Contract Number: 802693

Certificate Project Number: GZ-CERT220902697

Certified Product: ESS Inverter Trademarks: Spitzer

Model(s): SPZ 7.5KW-LV, SPZ 9KW-LV, SPZ 12KW-LV-A,

SPZ 12KW-LV-B, SPZ 15KW-LV, SPZ 15KW-LV-B

Technical Data: See page 2-3

Certificate Holder: SPITZER ENERGY COMPANY

4295 East Jurupa Street, Suite 103A, Ontario, 91761, California, United States of

America

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 <a href="https://www.sgs.com">www.sgs.com</a> 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:

UL 1741, Third Edition, Dated September 28, 2021 (including UL 1741 Supplement SB)

CSA C22.2 No. 107.1:16 (reaffirmed 2021)

Photovoltaic (PV) DC Arc-Fault Circuit Protection-UL 1699B: REVISION, DATED MAY 18, 2021

CSA C22.2 No. 330:23, Dated February 2023

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Authorized by:

Jason Wei Certifier Effective date: 25 June 2024

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SGS operates certification programs under the authority of several accreditation or recognition bodies including A2LA, ANAB, OSHA NRTL, and Standards Council of Canada. This certificate is issued by the company under its General Conditions for Certification Services accessible at <a href="https://www.sgs.com/en/terms-and-conditions">https://www.sgs.com/en/terms-and-conditions</a>. Attention is drawn to the limitations of liability defined therein and in the Test Report here above mentioned which findings are reflected in this Certificate. Any unauthorized

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**Certification Body** 

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**Additional Information:** 

Compliance with IEEE Std 1547:2018 (Revision of IEEE Std 1547:2003), approved 15 February 2018; IEEE Std 1547a<sup>™</sup>-2020 Approved 9 March 2020. (Refer to IEEE Std 1547.1:2020, approved 5 March 2020.)

Hawaiian Electric Companies, IEEE 1547.1-2020 Source Requirements Document Version 2.0 ("SRD V2.0"), effective on July 1st, 2020

UL1741 SECTION 92 TO SECTION 99, SEPTEMBER 28, 2021 - PHOTOVOLTAIC RAPID SHUTDOWN SYSTEMS

UL1741 CRD Non-Isolated EPS Interactive PV Inverters Rated Less Than 30Kva (Dated April 26, 2010)

Technical Data: SPZ 7.5KW-LV

PV Input side: 70-540Vd.c(600Vmax), 30/22Amax;

Batteries side: 40-64Vd.c, 210/130Amax (Charge/Discharge)

AC output (On grid): 120/240Va.c (Split phase)/208Va.c(2/3 phase),

20.9A(22.9Amax), 60Hz, 5kW, -0.8~+0.8

AC output (Off grid): 120/240Va.c (Split phase)/

208Va.c(2/3 phase), 5.0kW, 60Hz

SPZ 9KW-LV

PV Input side: 70-540Vd.c(600Vd.cmax), 30/22Amax;

Batteries side: 40-64Vd.c, 210/130Amax(Charge/Discharge)

AC output (On grid): 120/240Va.c (Split phase)/ 208Va.c(2/3phase),

25A(27.5Amax), 60Hz, 6kW, -0.8~+0.8

AC output (Off grid): 120/240Va.c (Split phase)/

208Va.c(2/3 phase), 6.0kW, 60Hz

SPZ 12KW-LV-A

PV Input side: 70-540Vd.c(600Vd.cmax), 30/22/22Amax; Batteries side: 40-64Vd.c, 210/180Amax(Charge/Discharge)

AC output (On grid): 120/240Va.c (Split phase)/208Va.c(2/3 phase),

31.7A(34.8Amax), 60Hz, 7.6kW, -0.8~+0.8 AC output (Off grid): 120/240Va.c (Split phase)/

208Va.c(2/3 phase), 7.6kW,60Hz





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Technical Data: SPZ 12KW-LV-B

PV Input side: 70-540Vd.c(600Vd.cmax), 30/22/22Amax;

Batteries side: 40-64Vd.c, 210/180Amax(Charge/Discharge)

AC output (On grid): 120/240Va.c (Split phase)/ 208Va.c(2/3phase),

33.4A(36.7Amax), 60Hz, 8kW, -0.8~+0.8

AC output (Off grid): 120/240Va.c (Split phase)/ 208Va.c(2/3 phase), 8kW, 60Hz

SPZ 15KW-LV

PV Input side: 70-540Vd.c(600Vd.cmax), 30/22/22Amax;

Batteries side: 40-64Vd.c, 210/210Amax(Charge/Discharge)

AC output (On grid): 120/240Va.c (Split phase)/ 208Va.c(2/3phase),

41.7A(45.8Amax), 60Hz,10kW, -0.8~+0.8

AC output (Off grid): 120/240Va.c (Split phase)/

208Va.c(2/3 phase), 10kW, 60Hz

SPZ 15KW-LV-B

PV Input side: 70-540Vd.c(600Vd.cmax), 30/22/22Amax;

Batteries side: 40-64Vd.c, 210/210Amax(Charge/Discharge)

AC output (On grid): 120/240Va.c (Split phase)/ 208Va.c(2/3phase),

41.7A(47.5Amax), 60Hz,10kW, -0.8~+0.8

AC output (Off grid): 120/240Va.c (Split phase)/

208Va.c(2/3 phase), 10kW, 60Hz