



# CERTIFICATE OF COMPLIANCE

**Certificate Number:** SGSNA/24/GZ/00196

**Contract Number:** 802671

**Certificate Project Number:** GZ-CERT220902697

**Certified Product:** ESS Inverter

**Trademarks:**



**Model(s):** SGN5KHB-48, SGN6KHB-48, SGN7.6K1HB-48, SGN8.36K2HB-48, SGN10KHB-48, SGN11.4KHB-48

**Technical Data:** See Page 2-3

**Certificate Holder:** Sun Gold Power Inc  
23831 Via Fabricante, Suite 302, Mission Viejo, 92691, 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 [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:*

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

Authorized by:

Effective date: 29 July 2024



Mark Lohmann  
Certifier



## 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](http://www.sgs.com)



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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™-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:

### SGN5KHB-48:

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

### SGN6KHB-48:

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

### SGN7.6K1HB-48:

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:** SGN8.36K2HB-48:  
 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(31.7Amax), 60Hz, 7.6kW, -0.8~+0.8  
 AC output (Off grid): 120/240Va.c (Split phase)/  
 208Va.c(2/3 phase), 7.6kW,60Hz

SGN10KHB-48:  
 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

SGN11.4KHB-48:  
 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

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