

# CERTIFICATE OF COMPLIANCE

**Certificate Number:** SGSNA/23/GZ/00243

**Contract Number:** 802272  
**Certificate Project Number:** GZ-CERT220902697

**Certified Product:** ESS Inverter  
**Trademarks:** Senergy  
**Model(s):** See page 2  
**Technical Data:** See page 2-4

**Certificate Holder:** Shenzhen Senergy Technology Co., Ltd.  
 Block D, BC Park, No. 18, Xiusha Road, Shatian Kengzi Sub-district, Pingshan District, Shenzhen, 518112, 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](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

**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)

Authorized by:

Effective date: 16 May 2024



Jason Wei  
 Certifier



**Certification Body**

Connectivity & Products, a division of SGS North America Inc.  
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**Model(s):** SE 5KHB-130-D2/UL, SE 6KHB-130-D2/UL, SE 7K6HB-180-T2/UL, SE 8KHB-180-T2/UL, SE 10KHB-210-T2/UL, SE 7K6HB-T2/UL, SE 11K4HB-210-T2/UL, SE 5KHB-130-D2/UL-M1, SE 6KHB-130-D2/UL-M1, SE 7K6HB-180-T2/UL-M1, SE 8KHB-180-T2/UL-M1, SE 11K4HB-210-T2/UL-M1

**Technical Data:**

SE 5KHB-130-D2/UL  
 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

SE 6KHB-130-D2/UL  
 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

SE 7K6HB-180-T2/UL  
 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

SE 7K6HB-T2/UL  
 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

## Certification Body

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**Certificate Number:** **SGSNA/23/GZ/00243**

**Contract Number:** 802272

**Certificate Project Number:** GZ-CERT220902697

**Technical Data:**

SE 8KHB-180-T2/UL

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

SE 10KHB-210-T2/UL

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

SE 11K4HB-210-T2/UL

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

SE 5KHB-130-D2/UL-M1

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

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**Technical Data:**

SE 6KHB-130-D2/UL-M1  
 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

SE 7K6HB-180-T2/UL-M1  
 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

SE 8KHB-180-T2/UL-M1  
 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

SE 11K4HB-210-T2/UL-M1  
 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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