

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): 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

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), 20.9(Split phase)/24.1A(2/3 phase), 60Hz, 5kW, -0.8~+0.8
 AC output (Off grid): 120/240Va.c (Split phase)/208Va.c(2/3 phase), 5.0kW, 60Hz
 Other see page 2

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 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
 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: 18 September 2023

Jason Wei
 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



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Technical Data:

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), 25(Split phase)/28.9A(2/3 phase), 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), 31.7(Split phase)/36.6(2/3 phase)A, 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

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), 33.4(Split phase)/38.5(2/3phase)A, 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), 41.7(Split phase)/48.1(2/3 phase)A, 60Hz,10kW, -0.8~+0.8

AC output (Off grid): 120/240Va.c (Split phase)/ 208Va.c(2/3 phase), 10kW, 60Hz

Certification Body