

Certificate of Compliance: SGSNA/18/GZ/00127 Contract Number: 800341

Certificate Project Number: GZ-CERT180801478

Certified Product:

Grid Support Utility Inverter (Hybrid

Inverter)

Trademarks (if any):

Sol-Ark

Model(s):

Sol-Ark-8k-48-ST, Sol-Ark-5k-48-ST,

Sol-Ark-9k-48-ST, Sol-Ark-12K-P

Technical Data:

See page 2

Name and Address of Certificate Holder:

Portable Solar LLC

5833 Curtis Dr No. 200 Parker, TX 75002, Texas, 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. The product is certified according to ISO/IEC Guide 17067, Conformity assessment - Fundamentals of product certification, System 3, and in accordance with

> UL 1741 (2010 Ed.2 Rev Feb. 15, 2018) CAN/CSA C22.2 NO. 107.1-16

UL 1741 Supplement SA, 2010 Ed.2 Rev Feb. 15, 2018

Authorized by

Effective date: 09 October 2019

Jason Wei Certifier

> Consumer and Retail Services, 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 Page 1 of 3





Contract Number: 800341

Certificate of Compliance; SGSNA/18/GZ/00127 Certificate Project Number: GZ-CERT180801478

Certified Product:

Grid Support Utility Inverter (Hybrid Inverter)

Technical Data:

Sol-Ark-8k-48-ST, Sol-Ark-9k-48-ST: AC side:

AC Voltage@120/240V: 240V(211V-264V), 33.0A, 8000W(L-L)/4000W(L-N), 60Hz, AC Voltage@120/208V: 208V(183V-229V), 38.5A, 8000W(L-L)/4000W(L-N), 60Hz PV side: 150dc-500Vdc(MPPT range:175Vdc-425Vdc), 18A/18A Battery side: 48Vdc(42Vdc-61Vdc), 190A;

Sol-Ark-5k-48-ST:

AC Voltage@120/240V: 240V(211V-264V), 20.8A, 5000W(L-L)/2500W(L-N), 60Hz, AC Voltage@120/208V: 208V(183V-229V), 24.0A, 5000W(L-L)/2500W(L-N), 60Hz PV side: 150dc-500Vdc(MPPT range:175Vdc-425Vdc), 10A/10A Battery side: 48Vdc(42Vdc-61Vdc), 120A;

Sol-Ark-12K-P:

AC side: AC Voltage@120/240V: 240V(211V-264V), 37.5A max., 9000W(L-L) / 4800W(L-N), 60Hz, AC Voltage@120/208V: 208V(183V-229V), 40.0A max., 9000W(L-L) / 4800W(L-N), 60Hz
PV side: 150dc-500Vdc (MPPT

PV side: 150dc-500Vdc (MPPT range:175Vdc-425Vdc), 20A/20A Battery side: 48Vdc(41Vdc-59Vdc), 190A

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Trademarks (if any):

Sol-Ark

Model(s):

Sol-Ark-8k-48-ST, Sol-Ark-5k-48-ST, Sol-Ark-9k-48-ST, Sol-Ark-12K-P

Name of Certificate Holder:

Portable Solar LLC

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VERIFICATION OF COMPLIANCE

No.:

GZES1909024648PV

Applicant:

Portable Solar LLC

5833 Curtis Dr No. 200 Parker, TX 75002, Texas, United States

of America

Manufacturer:

Product Name:

Hybrid Inverter

Product Description:

GRID SUPPORT UTILITY INTERACTIVE INVERTERS AND

CONVERTERS

Model No .:

Sol-Ark-9k-48-ST, Sol-Ark-8k-48-ST, Sol-Ark-5k-48-ST,

Sol-Ark-12K-P

Trade Mark:

Sol-Ark

Intended Use:

Energy Storage System

Protection against Electric Shock:

Class I

Additional Information (if any):

Type 3R

Software version: COMM: f23b

MCU: Ver1585

Sufficient samples of the product have been tested and found to be in conformity with

Test Standard:

UL 1741 Supplement SA - Grid Support Utility Interactive Inverters And Converters (2010 Ed.2 Rev Feb. 15, 2018)
Generating Facility Interconnections- CPUC Rule 21 Effective

on Jul 30, 2017

Hawaiian Electric Companies Grid Support Utility-Interactive

Inverter Standards Set Forth In Either Documents SRD-UI-1741-Sa-V1.1, Issued Sep. 26, 2017

as shown in the

Test Report Number(s):

GZES190501664002

This Verification of Compliance has been granted to the applicant based on the results of tests, performed by Laboratory of SGS-CSTC Standards Technical Services Co., Ltd. on sample of the above-mentioned product in accordance with the provisions of the relevant specific standards.

David Guo
Senior Technical tranager
SGS-CSTC

2019-10-25

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