

Contract Number: 800341

Certificate: **SGSNA/18/GZ/00127**  
Certificate Project Number: GZ-CERT180801478

**Certified Product:** Hybrid Inverter

**Trademarks (if any):** Sol-Ark

**Model(s):** Sol-Ark-8k-48-ST, Sol-Ark-5k-48-ST

**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](http://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)**  
**CSA C22.2. No.107.1:2001 Ed.3**

**Authorized by** Effective date: 16 August 2018

*Jason Wei*  
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](http://www.sgs.com)  
Page 1 of 3



# SGS



This certificate is issued by the company under its General Conditions for Certification Services accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm). 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 alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



Contract Number: 800341

**Certificate: SGSNA/18/GZ/00127**  
Certificate Project Number: GZ-CERT180801478

**Certified Product:** Hybrid Inverter

**Trademarks (if any):** Sol-Ark

**Model(s):** Sol-Ark-8k-48-ST, Sol-Ark-5k-48-ST



**Technical Data:**

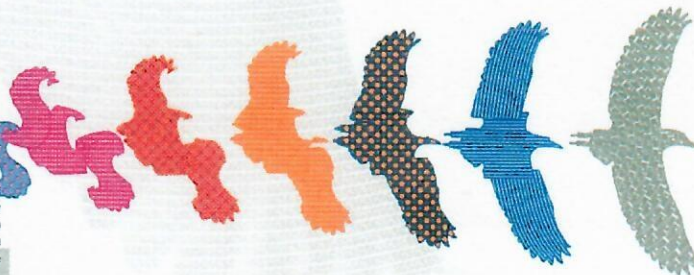
Sol-Ark-8k-48-ST: AC side:  
AC Voltage@120/240V: 240V(211V-264V),  
33.0A, 8000W(L-L)/4000W(L-N), 60Hz,  
AC Voltage@120/208V: 208V(183V-229V),  
38.5A, 8000W(L-L)/4000W(L-N), 60Hz  
PV side: 150dc-500Vdc(MPPT  
range:175Vdc-425Vdc), 18A/18A  
Battery side: 48Vdc(42Vdc-61Vdc), 190A;  
Sol-Ark-5k-48-ST: AC side:  
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

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  
Page2 of 3



# SGS

This certificate is issued by the company under its General Conditions for Certification Services accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm). 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 alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



# SGS

Contract Number: 800341

Certificate: SGSNA/18/GZ/00127  
Certificate Project Number: GZ-CERT180801478

Certified Product:

Hybird Inverter

Trademarks (if any):

Sol-Ark

Model(s):

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

Name of Certificate Holder:

Portable Solar LLC

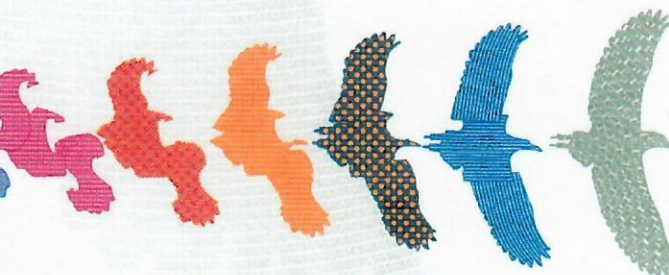
Name and Address of Factory:

Effective date: 16 August 2018

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 3 of 3



This certificate is issued by the company under its General Conditions for Certification Services accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm). 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 alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.







**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

No. 1 Workshop, M-10, Middle section, Science & Technology Park,  
Shenzhen, Guangdong, China 518057

Telephone: +86 (0) 755 2601 2053  
Fax: +86 (0) 755 2671 0594  
Email: ee.shenzhen@sgs.com

**FEDERAL COMMUNICATIONS COMMISSION**

Designation Number: CN1178.

Test Firm Registration Number: 406779

## ***FCC -Verification***

This verification that the following designated product

**Product Name: Hybird Inverter**

**Model: Sol-Ark-8k-48-ST, Sol-Ark-5k-48-ST**

( Product Identification )

It is herewith confirmed and found to comply with the requirements set up by ANSI C63.4 & 47 CFR PART 15, regulations for the evaluation of electromagnetic compatibility.

This Device complies with Part 15 of the FCC rules, operation is subject to the following two conditions.

- (1) This device may not cause harmful interference and,
  - (2) This device must accept any interference received,
- including interference that may cause undesired operation.

**Test Report Number(s): SZEM180500419101**

(47 CFR Part 15, Subpart B)

This declaration is the responsibility of the applicant

**Portable Solar LLC.**

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

This is the result of test, that was carried out from the submitted type-samples of a product in conformity with the specification of the respective standards.



KenY Xu  
EMC Laboratory Manager  
2018-08-22

This verification is only valid for the equipment and configuration described, in conjunction with the test report detailed above.

It does not permit the use of the SGS PRODUCT CERTIFICATION MARK

.Member of the SGS Group (SGS SA)