

To qualify as a battery storage system for use for Title 24, Part 6 compliance, the battery storage system(s) shall be certified to the Energy Commission according to the following requirements:

JA12.2.1 Safety Requirements

The battery storage system shall be tested in accordance with the applicable requirements given in UL1973 and UL9540. Inverters used with battery storage systems shall be tested in accordance with the applicable requirements in UL1741 and UL1741 Supplement A.

JA12.2.2 Minimum Performance Requirements

The battery storage system(s) meet or exceed the following performance specification:

- (a) Ability to provide usable capacity of at least 5 kWh, either individually or with multiple units.
- (b) Single Charge-discharge cycle AC to AC (round-trip) efficiency of at least 80 percent.
- (c) Energy capacity retention of 70 percent of nameplate capacity after 4,000 cycles covered by a warranty, or 70 percent of nameplate capacity under a 10-year warranty.

JA12.2.3 Control Requirements

The battery storage system(s) meet all applicable control requirements in JA12.2.3. The battery storage system shall have the following capabilities:

- (a) JA12.2.3(a) – Ability to be remotely programmed to change the charge and discharge periods.
- (b) JA12.2.3(b) – Ability to meet the electrical load of the dwelling unit(s) first, and discharging to the grid upon receipt of a demand response signal.
- (c) JA12.2.3(c) – Ability to switch to backup mode during a power interruption, and immediately revert to program mode upon restoration of power.
- (d) JA12.2.3(d) – Ability to perform a system check, at the minimum, within 10 calendar days of summer and winter TOU schedule to ensure the battery operating in one of the certified control strategies

The battery storage system shall have the capability to operate in one or more of the following control strategies and switch between upon receiving a remote signal:

- (a) JA12.2.3.1 Basic Control
- (b) JA12.2.3.2 Time-of-Use (TOU) Control
- (c) JA12.2.3.3 Advanced Demand Response Control
- (d) JA12.2.3.4 Alternative Control approved by the Executive Director

JA12.3 Interconnection and Net Energy Metering Requirements

The battery storage system and the associated components, including inverters, comply with Rule 21 and Net Energy Metering Rules.

List of Models offered for Certification

JA12 Battery Storage System Declaration

Manufacturer	Brand	Model No.	Battery Storage Capacity (kWh)	AC to AC Roundtrip Efficiency	Certified JA12 Control Strategy₁
Portable Solar LLC (dba Sol-Ark)	Sol-Ark	5K-120V/8K230V-1P	Depends on battery selection (>=5kWh)	>=90%	JA12.2.3.1
Portable Solar LLC (dba Sol-Ark)	Sol-Ark	5K-120V/8K230V-1P	Depends on battery selection (>=5kWh)	>=90%	JA12.2.3.2
Portable Solar LLC (dba Sol-Ark)	Sol-Ark	5K-120V/8K230V-1P	Depends on battery selection (>=5kWh)	>=90%	JA12.2.3.3
Portable Solar LLC (dba Sol-Ark)	Sol-Ark	Sol-Ark-8K-48-ST	Depends on battery selection (>=5kWh)	>=90%	JA12.2.3.1
Portable Solar LLC (dba Sol-Ark)	Sol-Ark	Sol-Ark-8K-48-ST	Depends on battery selection (>=5kWh)	>=90%	JA12.2.3.2
Portable Solar LLC (dba Sol-Ark)	Sol-Ark	Sol-Ark-8K-48-ST	Depends on battery selection (>=5kWh)	>=90%	JA12.2.3.3
Portable Solar LLC (dba Sol-Ark)	Sol-Ark	Sol-Ark-12K-P	Depends on battery selection (>=5kWh)	>=90%	JA12.2.3.1
Portable Solar LLC (dba Sol-Ark)	Sol-Ark	Sol-Ark-12K-P	Depends on battery selection (>=5kWh)	>=90%	JA12.2.3.2
Portable Solar LLC (dba Sol-Ark)	Sol-Ark	Sol-Ark-12K-P	Depends on battery selection (>=5kWh)	>=90%	JA12.2.3.3
Portable Solar LLC (dba Sol-Ark)	Sol-Ark	Limitless 15K-LV	Depends on battery selection (>=5kWh)	>=90%	JA12.2.3.1

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Portable Solar LLC (dba Sol-Ark)	Sol-Ark	Limitless 15K-LV	Depends on battery selection (>=5kWh)	>=90%	JA12.2.3.2
Portable Solar LLC (dba Sol-Ark)	Sol-Ark	Limitless 15K-LV	Depends on battery selection (>=5kWh)	>=90%	JA12.2.3.3
Portable Solar LLC (dba Sol-Ark)	Sol-Ark	30K-3P-208V	Depends on battery selection (>=5kWh)	>=90%	JA12.2.3.1
Portable Solar LLC (dba Sol-Ark)	Sol-Ark	30K-3P-208V	Depends on battery selection (>=5kWh)	>=90%	JA12.2.3.2
Portable Solar LLC (dba Sol-Ark)	Sol-Ark	30K-3P-208V	Depends on battery selection (>=5kWh)	>=90%	JA12.2.3.3

Note: if a model can be configured to use more than one control strategy, add an individual listing for each control strategy that the model can be configured to perform.

When providing the information below, be sure to enter complete mailing addresses, including postal/zip codes.

Certifying Company

Contact Person Name *	Phone 1
Pooya Afifian	214-271-8455
Certifying Company Name **	Phone 2
Portable Solar LLC (dba Sol-Ark)	972-575-8875
Address	Fax
1100 Professional Drive	972-575-8875
(Address)	E-mail
Plano, TX 75074	pooya@sol-ark.com
(Address)	Company Website (URL)
	www.sol-ark.com

* If the contact person named above is NOT the person whose signature is on the Declaration, then the full contact information for the person whose signature is on the Declaration must also be provided on a separate page.

** If the company named above is: A) a parent entity filing on behalf of a subsidiary entity; B) a subsidiary entity filing on behalf of a parent entity; or C) an affiliate entity filing on behalf of an affiliate entity, the above contact information must be provided for any additional entities on a separate page.

Manufacturer (if different from Certifying Company)

Contact Person Name	Phone 1
Manufacturing Company Name	Phone 2
Address	Fax
(Address)	E-mail
(Address)	Company Website (URL)

Declaration

I declare under penalty of perjury under the laws of the State of California that:

- (1) All the information in this statement and in any attachment(s) is true, complete, accurate, and in compliance with all applicable provisions in the 2019 California Title 24, Part 6, Section 150.1 and Reference Joint Appendix JA12.
- (2) Each battery storage system has been tested in accordance with all applicable requirements of Reference Joint Appendix JA12
- (3) [If the party submitting this statement is a corporation, partnership, or other business entity] I am authorized to make this declaration, and to file this statement, on behalf of the company named below.

Portable Solar LLC (dba Sol-Ark)

Certifying Company Name

Pooya Afifian / Solar Engineering Manager

Name/Title (please print)

December 30, 2022

Date

Pooya Afifian

Signature