**A field assembled BESS is a system with a combination of battery modules and inverter components that are installed to operate as a system in the field, and the combination has more than one model number.**

**If the field assembled BESS definition does not accurately describe your system, please use the declaration for 2025 JA12 integrated BESS.**

To qualify as a field assembled BESS for use for 2025 Title 24, Part 6 compliance, the BESS(s) shall be certified to the Energy Commission according to the following requirements:

**JA12.3.1 Safety Requirements**

The BESS shall be tested in accordance with the applicable requirements specified in UL1973 and UL9540. Inverters used with BESSs shall be tested in accordance with the applicable requirements in UL1741, UL1741 Supplement SA, or UL1741 Supplement SB.

**JA12.3.2 Minimum Performance Requirements**

The BESS(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.

**JA12.3.3 Control Requirements**

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

(a) JA12.3.3.1(a) – Ability to be remotely programmed to change the charge and discharge periods, and remotely switching between control strategies.

(b) JA12.3.3.1(b) –Ability to first get charged from a combined on-site photovoltaic system, when the photovoltaic system production is greater than the on-site electrical load, and then from the grid during off-peak TOU hours of the day if allowed by the load serving entity. In anticipation of severe weather, Public Safety Power Shutoff events, or demand response signal, the BESS may charge from the grid at any time if allowed by the load serving entity.

(c) JA12.3.3.1(c) –. Ability to meet the electrical load of the dwelling unit(s) first and discharging to the grid upon receipt of a demand response signal.

(d) JA12.3.3.1(d) – The BESS shall have the capability to operate in one or more of the following control strategies and switch between upon receiving a remote signal:

1. JA12.3.3.2.1 Basic Control
2. JA12.3.3.2.2 Time-of-Use (TOU) Control
3. JA12.3.3.2.3 Advanced Demand Response Control
4. JA12.3.3.2.5 Alternative Control approved by the Executive Director

**The requirement below is only applicable to the BESS installed for single family buildings:**

JA12.3.3.1(e) – If the cycling capacity of the BESS drops below the level of the compliance cycling capacity due to changes in the reserve level, the BESS shall automatically reset the cycling capacity back to the compliance cycling capacity level after 72 hours. This reset requirement does not apply to reserve level changes that are controlled by a load serving entity or the California Independent System Operator, third-party aggregator, or manufacturer due to severe weather or Public Safety Power Shutoff events. At the conclusion of the severe weather or Public Safety Power Shutoff event, the BESS shall return to the compliance cycling capacity.

The manufacturer shall also provide the following documents to satisfy the above-mentioned requirement for BESS installed for single family buildings:

1. A document showing the software operation of cycling control strategy as described in the paragraph above

2. The A document or training materials describing the programming of the permanent 72 hour reset requirement during the commissioning of the BESS as described in the paragraph above

**List of Models Combination for Certification**

| **Inverter Manufacturer** | **Inverter Brand** | **Inverter Model No.** | **Battery Manufacturer** | **Battery Model No.** | **BESS Capacity (kWh)** | **AC to AC Roundtrip Efficiency** | **Certified JA12 Control Strategy1** |
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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 Inverter Manufacturer(s)**

| **Contact Person** | **Company** | **Address** | **Phone** | **Email** |
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\* 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.

**Certifying Battery Manufacturer(s)**

| **Contact Person** | **Company** | **Address** | **Phone** | **Email** |
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**Declaration**

**(Must be completed by all certifying inverter and battery manufacturers)**

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 2025 California Title 24, Part 6, Section 150.1 and Reference Joint Appendix JA12.
2. Each BESS 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.

| **Certifying Company Name** | **Name/Title** | **Date**  | **Signature** |
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