

AHJ reduced battery spacing approval list

Applicable regions: North America

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1. AHJ reduced battery spacing approval list

The Authorities Having Jurisdiction (AHJs) listed in this document have approved the Enphase IQ Battery 10C and the IQ Battery 5P for reduced inter-battery spacing between the units.

Refer to the model-specific diagrams in this document for the exact spacing approved by each AHJ.

Reduced spacing enables Enphase partners to install more kWh of capacity per job while minimizing wall space. Enphase continues to work with AHJs to expand reduced-spacing approvals for the Enphase IQ Batteries.

This list is not comprehensive; it reflects AHJs Enphase has worked with directly to obtain reduced-spacing approvals. If your AHJ is not listed, they may already permit reduced spacing.

If an AHJ is found not to approve reduced spacing, please submit the supporting documentation using our AHJ instructions:

<https://enphase.com/download/ahj-instructions>.

If approval is still not granted after sending the documentation, you can request additional help by filling out the support form referenced in the instructions.



NOTE:

- **Installation compliance:** All installations must comply with the applicable product installation manuals, local codes and standards, and any conditions specified by the AHJ (for example, service clearances, egress, or height requirements).
- **IQ Battery 10CS:** The IQ Battery 10CS, designed for both vertical and horizontal stacking (unlike the 10C, which uses front-to-back stacking), is expected to enter the market soon. Once available, Enphase will collaborate with AHJs to obtain reduced-spacing approvals and update this document accordingly.

2. Approved regions that have accepted reduced spacing for the IQ Battery 10C

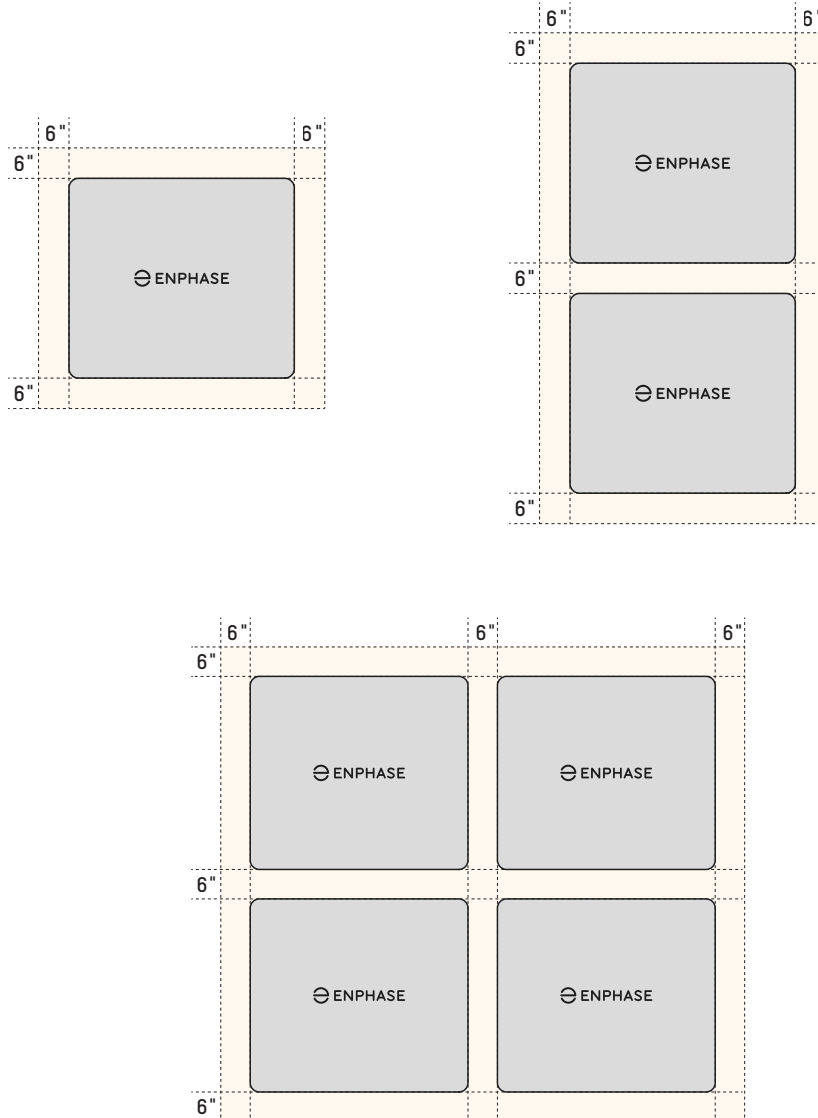
AHJ name	State	Minimum spacing approved (in)	20 kWh grouping requirement	Diagram
City of Fremont Fire & Life Safety	CA	4	N	Diagram 3
City of Frisco Electrical Department	TX	4	N	Diagram 3
Clovis Building Department	CA	4	N	Diagram 3
Contra Costa County Fire Protection District	CA	4	N	Diagram 3
Kern County Public Works	CA	6	N	Diagram 1
Phoenix Fire Department	AZ	6	N	Diagram 1
Poughkeepsie Building Department	NY	4	N	Diagram 3
Menlo Park Fire District	CA	4	N	Diagram 3
Oceanside Building Department	CA	4	N	Diagram 3
Sacramento Metro Fire Department	CA	4	N	Diagram 3
San Jose Fire Department	CA	6	Y	Diagram 2A or 2B
Santa Clara County Fire Department	CA	6	N	Diagram 1
Santa Cruz County Fire Department	CA	4	N	Diagram 3
Sunnyvale	CA	4	Y	Diagram 4A or 4B
Woodside Fire Protection District	CA	4	N	Diagram 3



NOTE: Always confirm with the fire department their final spacing requirements.

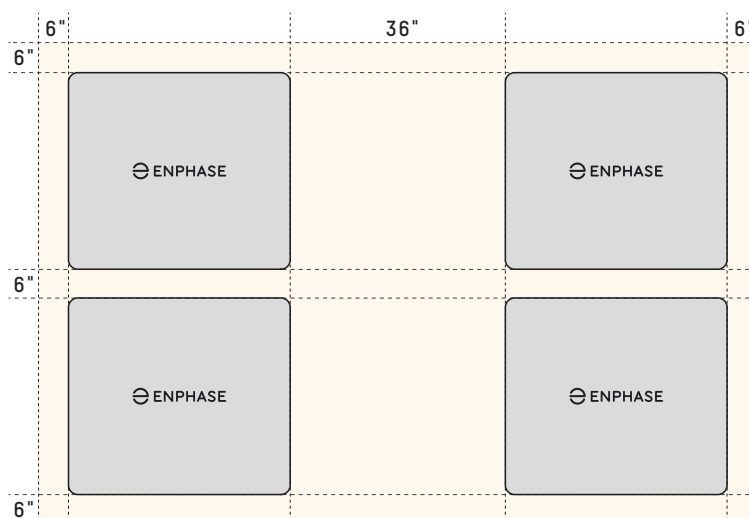
2.1 Diagram 1

Six-inch spacing per AHJ requirement, no battery grouping restrictions.



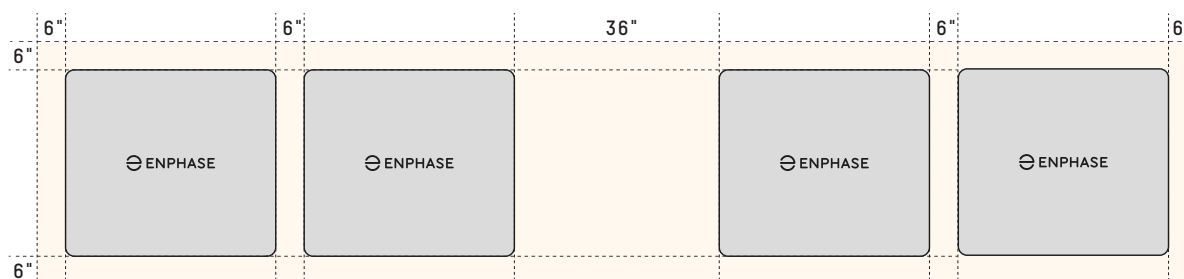
2.2 Diagram 2A

Six-inch spacing per AHJ requirement, maximum of 20 kWh per battery grouping.



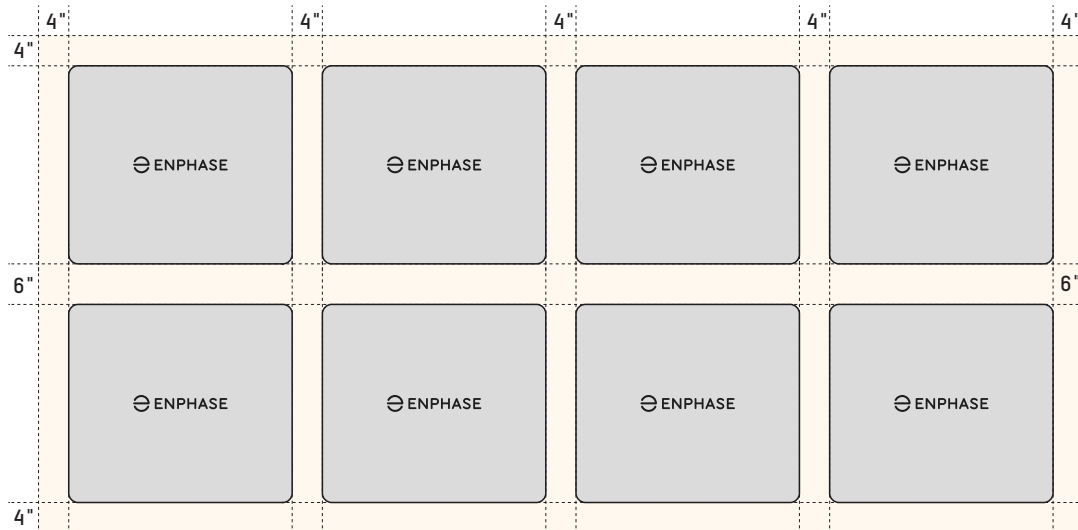
2.3 Diagram 2B

Six-inch spacing per AHJ requirement, maximum of 20 kWh per battery grouping.



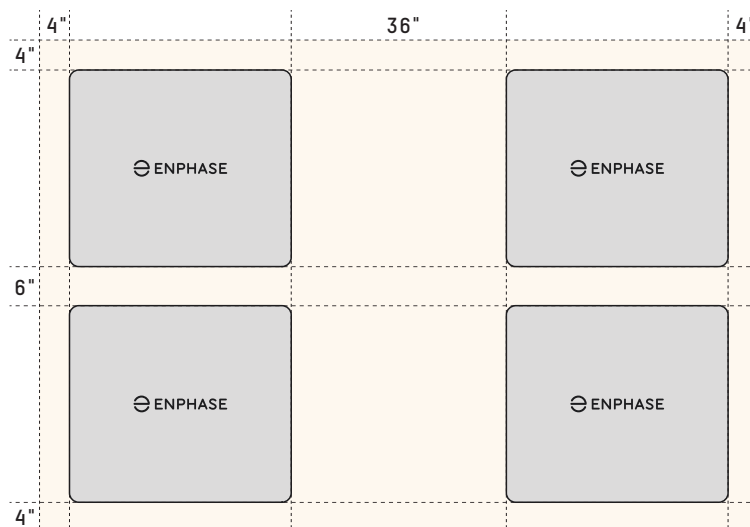
2.4 Diagram 3

Four-inch spacing per UL 9540A report, no battery grouping restrictions (is recommended to leave six inches vertically to access the wiring compartment).



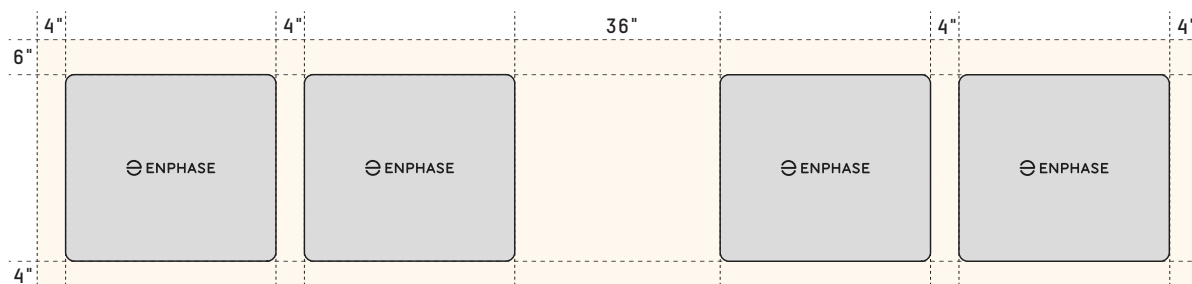
2.5 Diagram 4A

Four-inch spacing per UL 9540A report, maximum of 20 kWh per battery grouping (it is recommended to leave six inches vertically to access the wiring compartment).



2.6 Diagram 4B

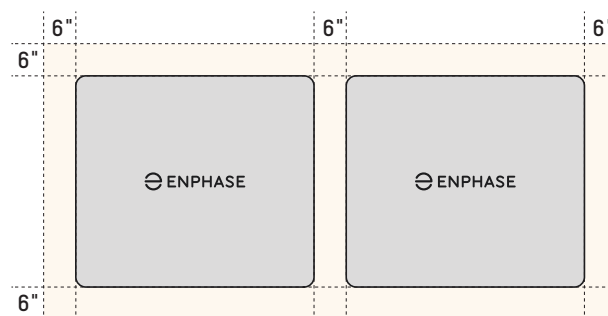
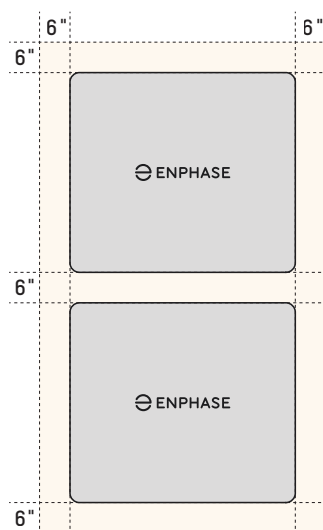
Four-inch spacing per UL 9540A report, maximum of 20 kWh per battery grouping (it is recommended to leave six inches vertically to access the wiring compartment).



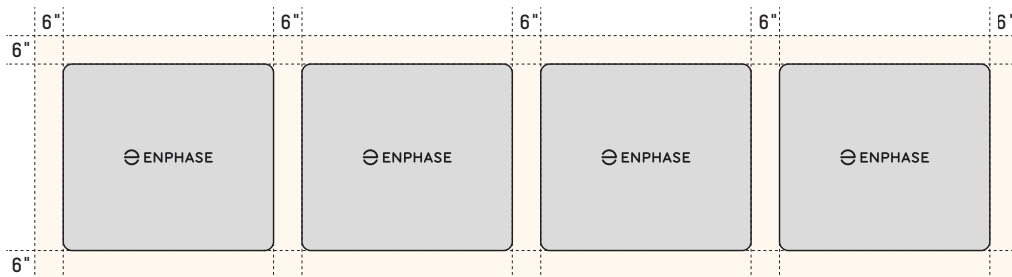
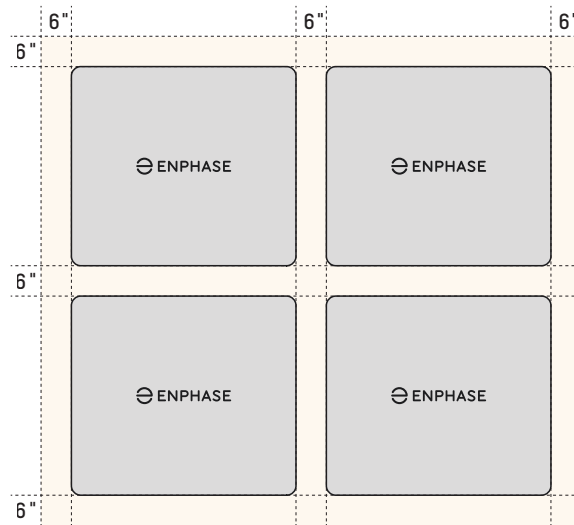
3. For future IQ Battery 10CS installations

The IQ Battery 10CS allows for vertical and horizontal stacking as shown in the configurations below. Once it is launched, Enphase will work with AHJs to get approvals for reduced spacing.

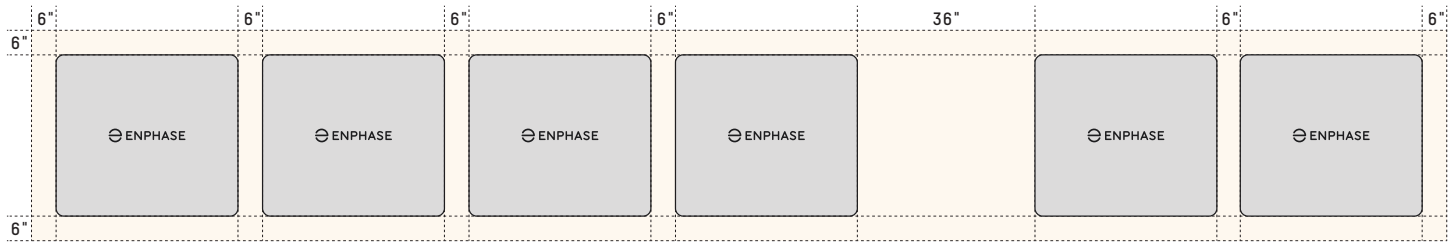
3.1 10 kWh systems



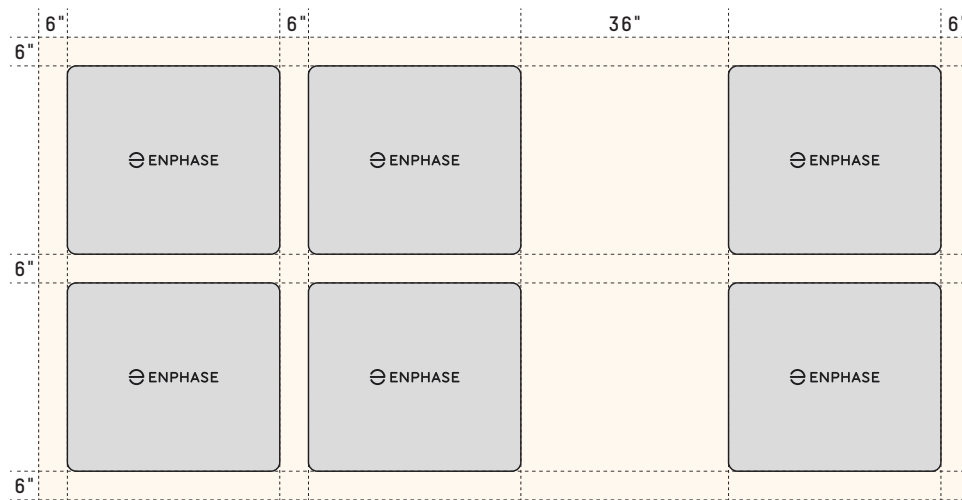
3.2 20 kWh systems



3.3 Systems larger than 20 kWh



or

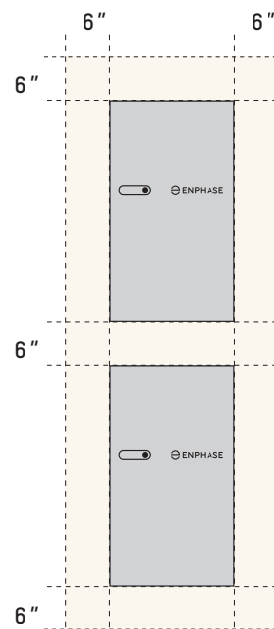
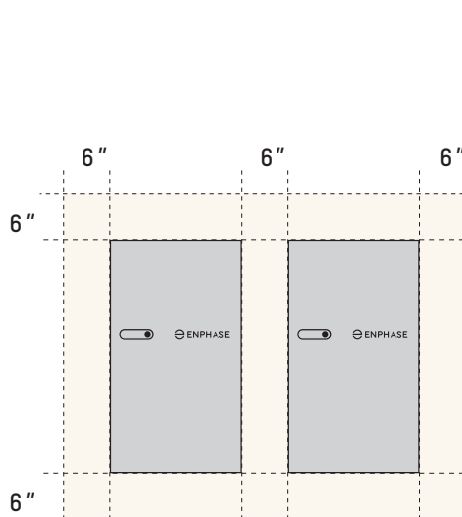


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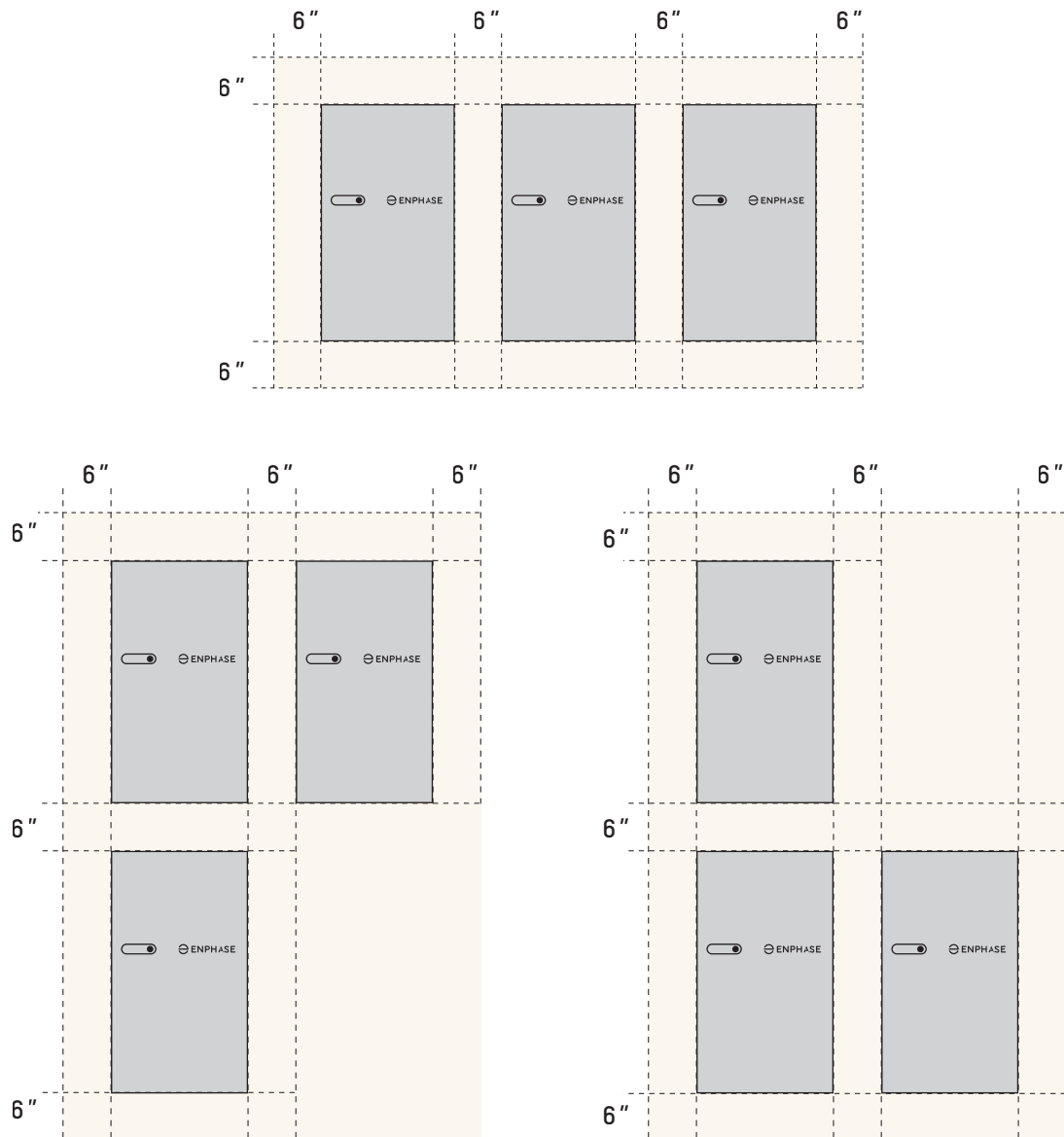
4. For IQ Battery 5P installations in Los Angeles City

The Los Angeles City Fire Department has determined IQ Battery 5P units must be placed no less than 6 inches from side-to-side or top-to-bottom.

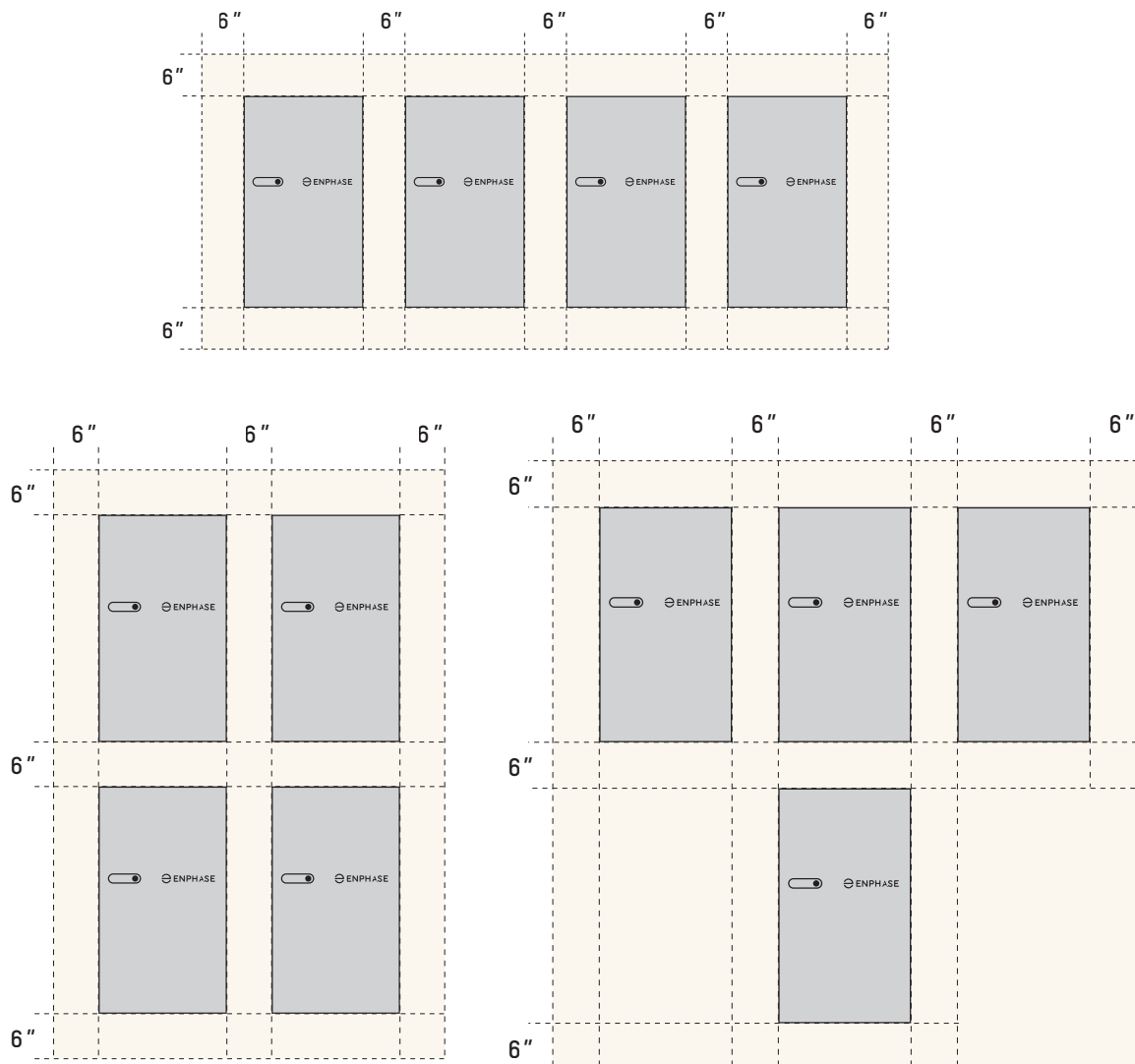
4.1 10 kWh systems



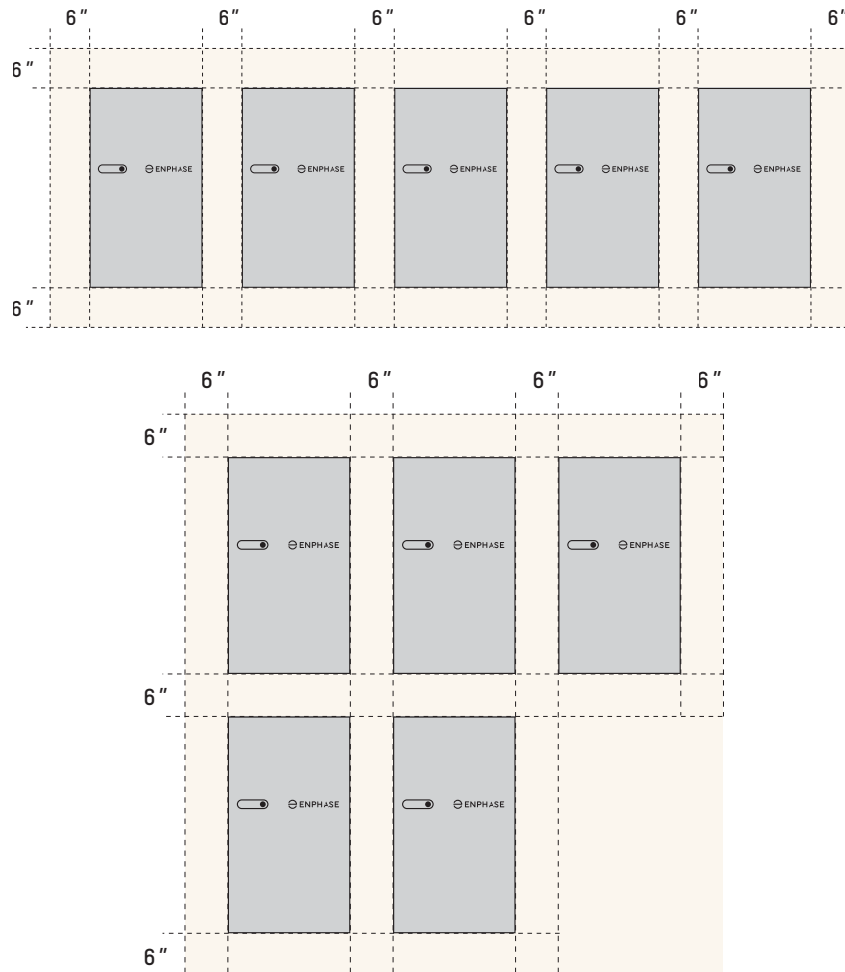
4.2 15 kWh system



4.3 20 kWh systems



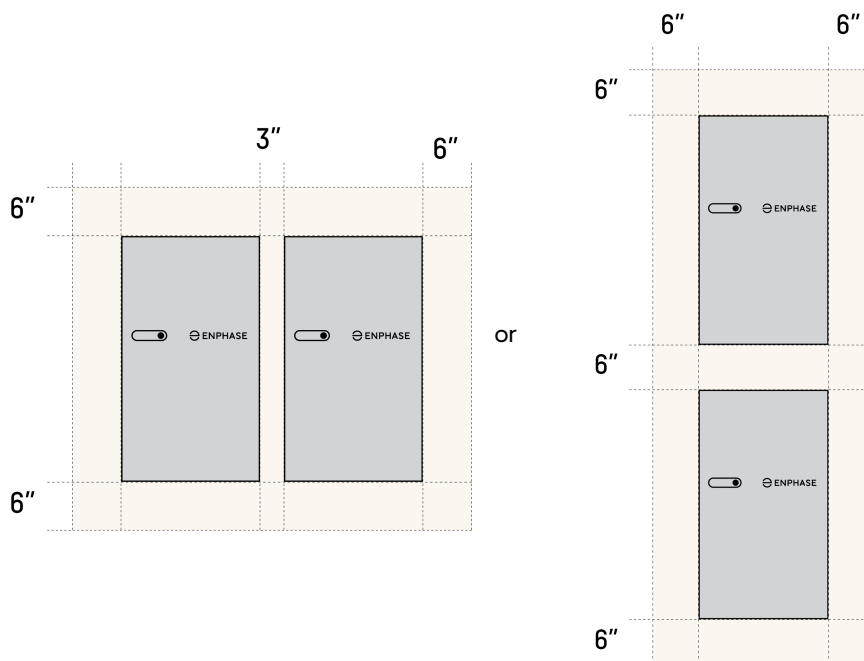
4.4 Systems larger than 20 kWh



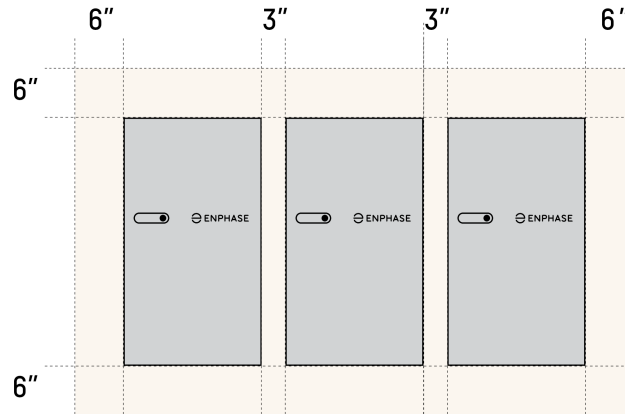
5. For IQ Battery 5P installations in Los Angeles County and San Jose, California

The Los Angeles County and San Jose Fire Departments have determined IQ Battery 5P units must be placed no less than 3 inches from side-to-side and 6 inches top-to-bottom. In addition, every group of 20 kWh of batteries must be separated by 3 feet.

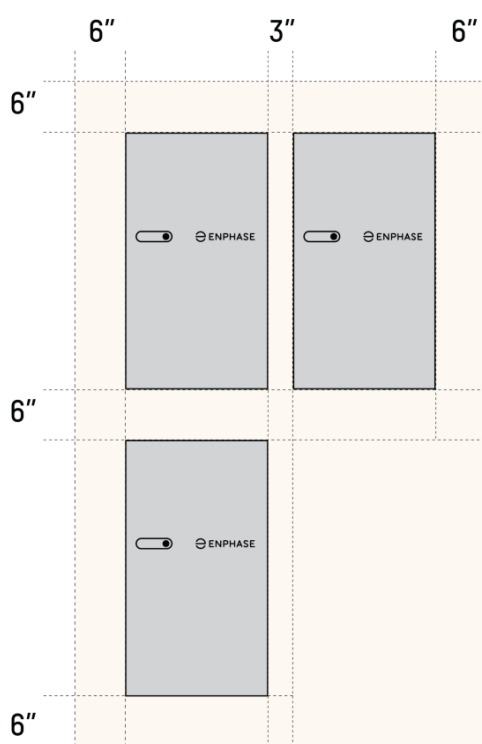
5.1 10 kWh systems



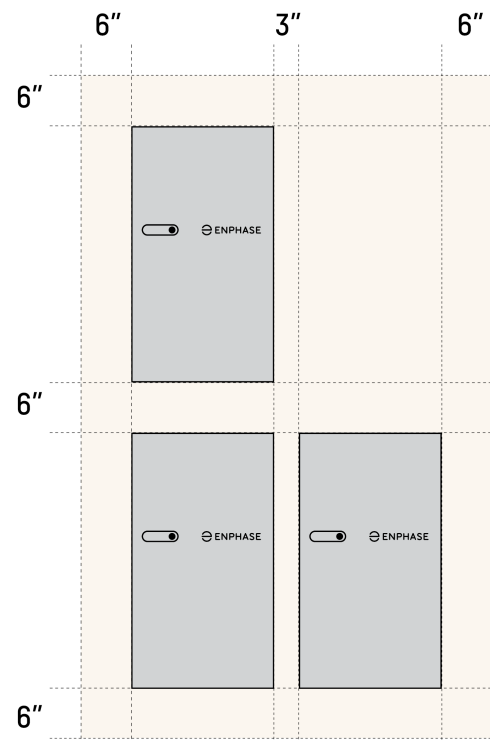
5.2 15 kWh systems



or

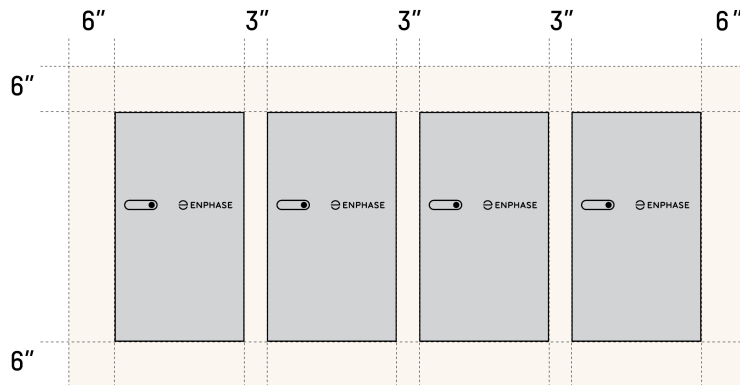


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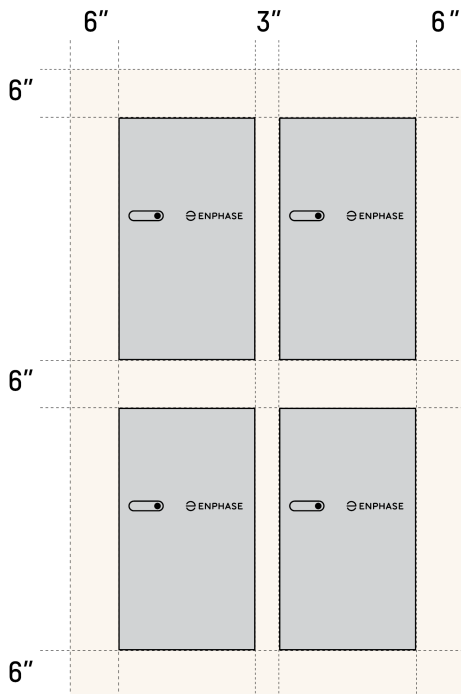


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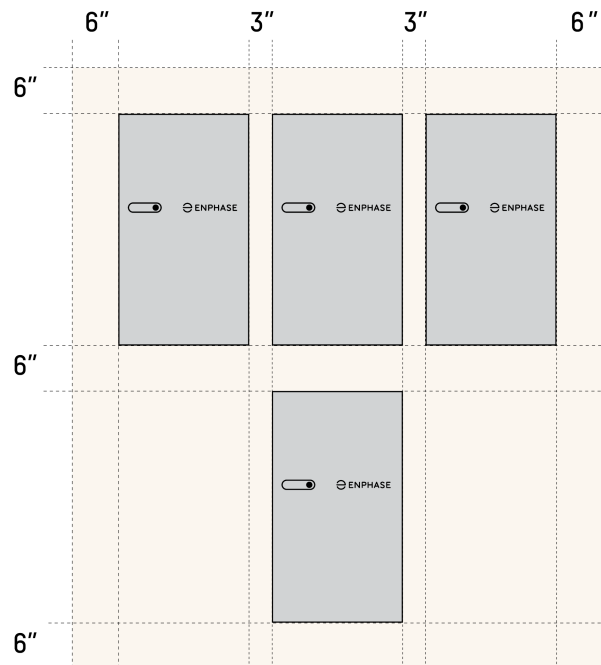
5.3 20 kWh systems



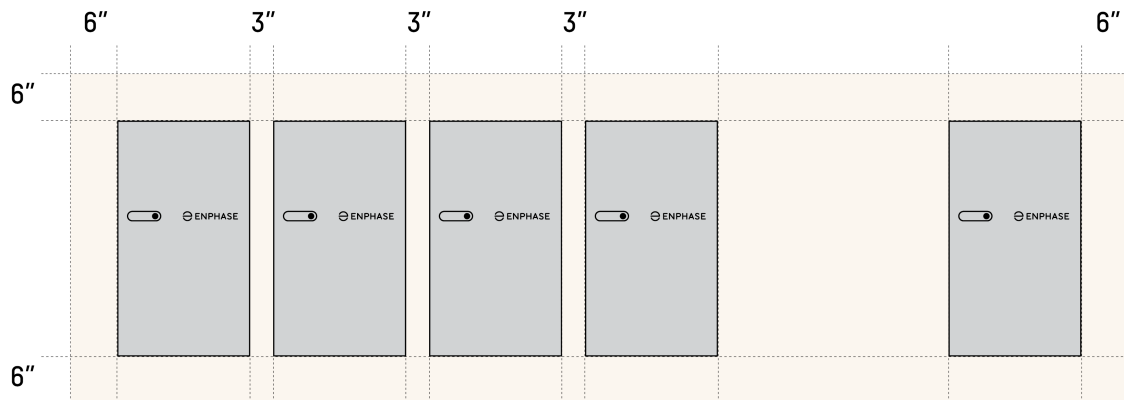
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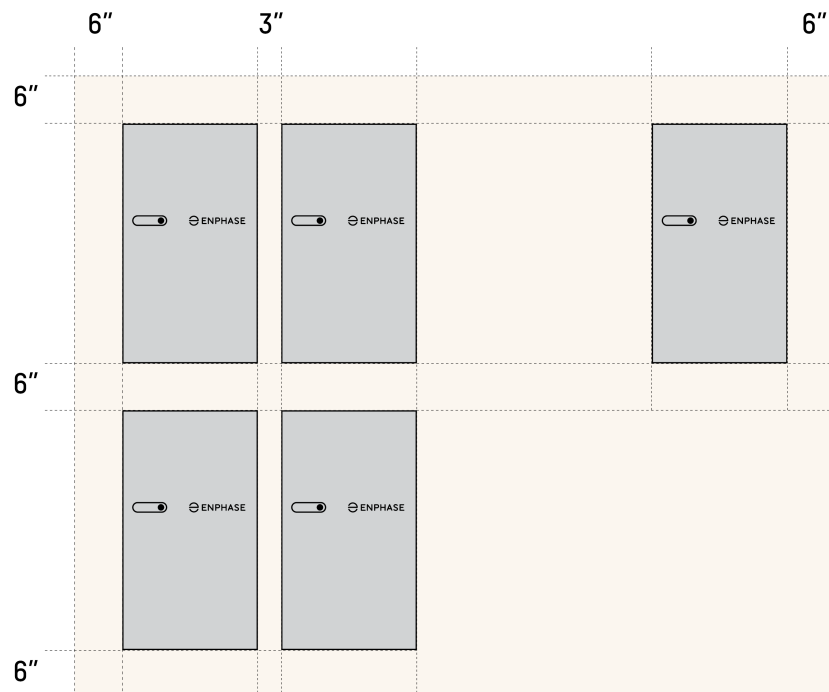
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5.4 Systems larger than 20 kWh



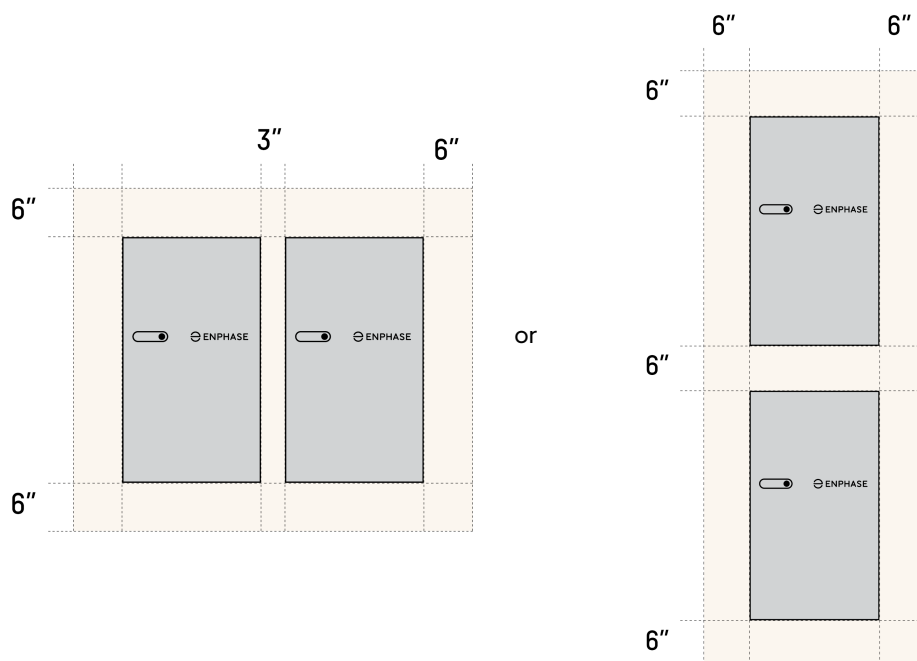
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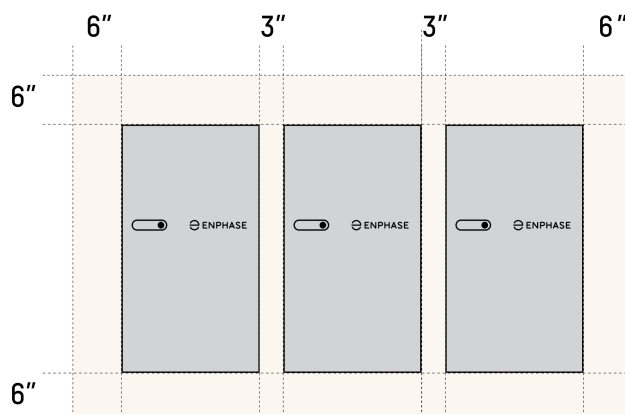
6. For IQ Battery 5P installations in all other approved regions

All other regions that have accepted UL 9540A guidelines for the IQ Battery 5P require that the battery be placed no less than 3 inches from side-to-side and 6 inches top-to-bottom. See the next page for the approved regions list for this spacing.

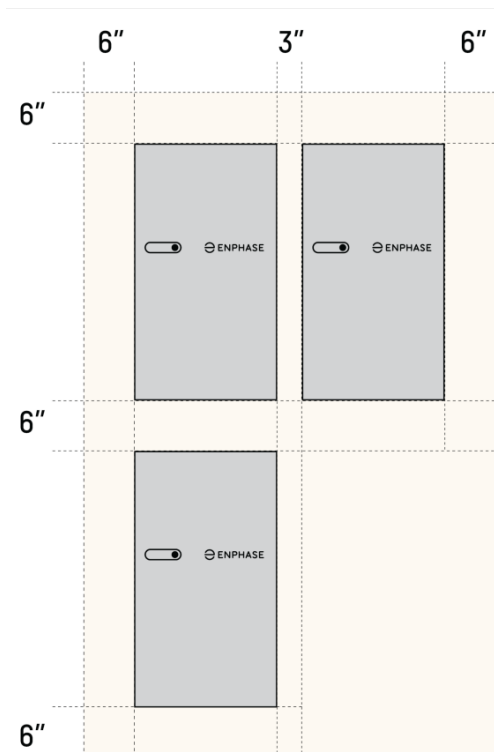
6.1 10 kWh systems



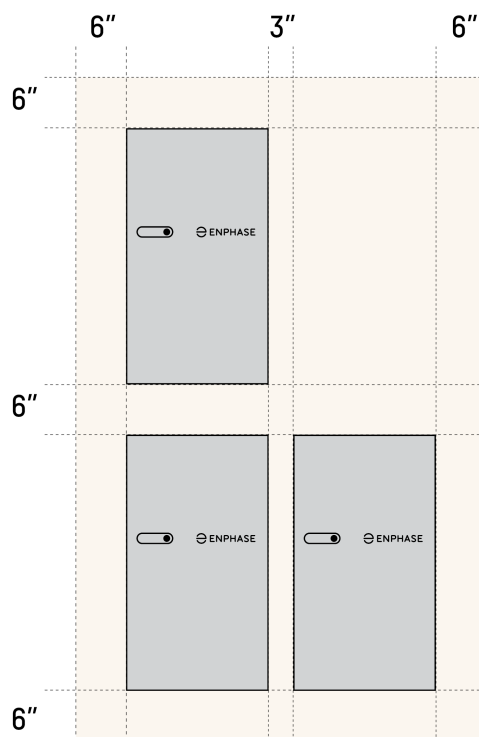
6.2 15 kWh systems



or

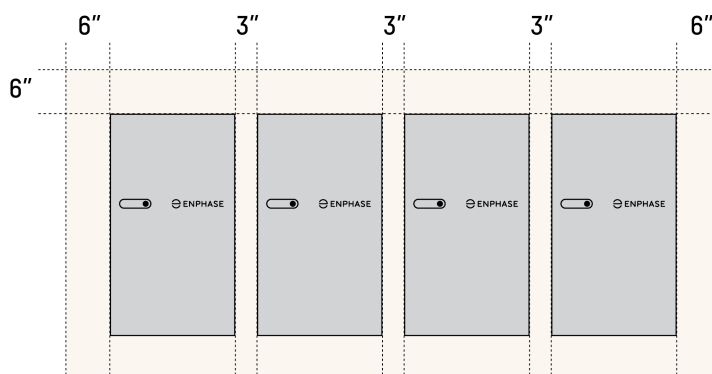


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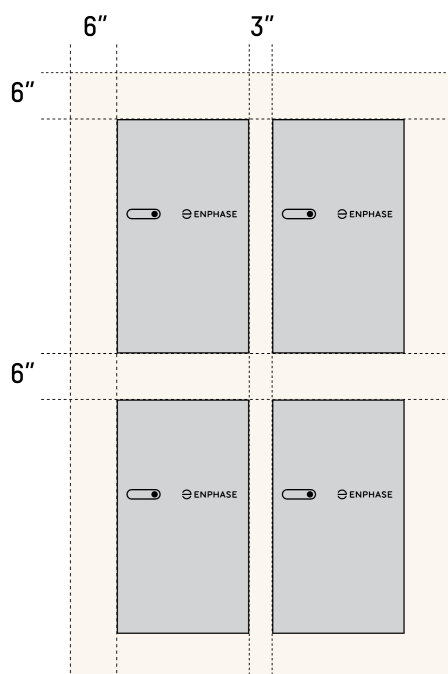


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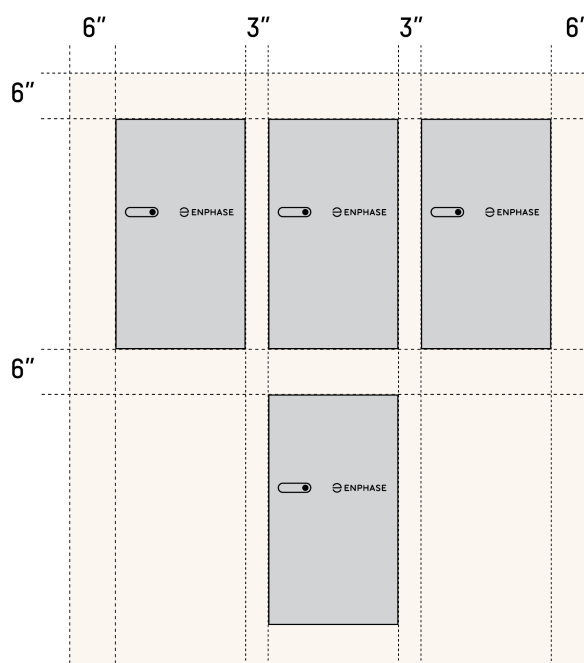
6.3 20 kWh systems



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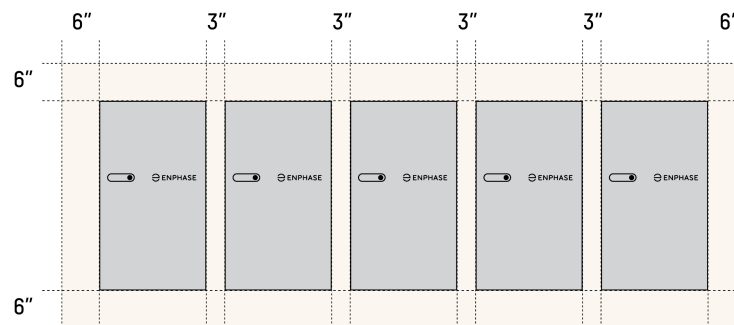


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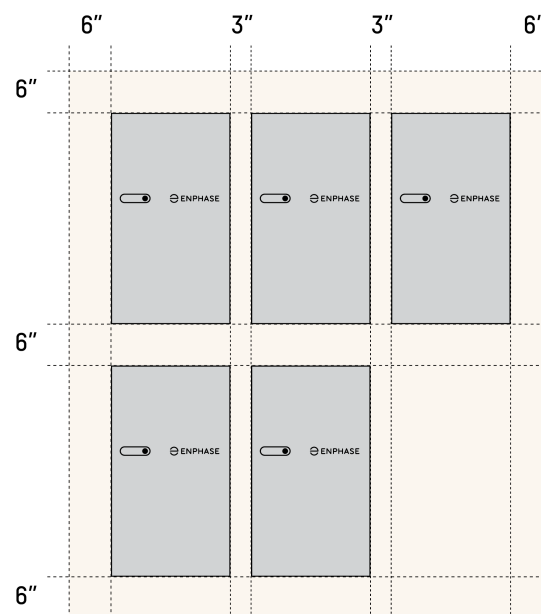


or other similar layouts

6.4 Systems larger than 20 kWh



or



or other similar layouts

7. Approved regions that have accepted reduced spacing for the IQ Battery 5P

- Beaumont Building Department (CA)
- City of Anaheim Fire & Rescue (CA)
- City of Fremont Fire & Life Safety (CA)
- City of Frisco Electrical Department (TX)
- City of Largo Building Department (FL)
- Clovis Building Department (CA)
- Contra Costa County Fire Protection District (CA)
- Dana Point Building Department (CA)
- Kern County Public Works (CA)
- LA City Fire Department (CA)
- LA County Fire Department (CA)
- La Quinta Fire Department (CA)
- Madera County Planning Department (CA)
- Menlo Park Fire District (CA)
- Monterey Fire Department (CA)
- Moraga/Orinda Fire Department (CA)
- Oakland Fire Department (CA)
- Oceanside Building Department (CA)
- Orange County Fire Authority (CA)
- Phoenix Fire Department (AZ)
- Poughkeepsie Building Department (NY)
- Riverside County Fire Department (CA)
- Sacramento Metro Fire Department (CA)
- San Jose Fire Department (CA)
- San Mateo Consolidated Fire Department (CA)
- San Mateo County Fire Department (CA)
- Santa Clara County Fire Department (CA)
- Santa Cruz County Fire Department (CA)
- Temecula Fire Department (CA)
- Torrance Building and Safety Department (CA)
- Woodside Fire Protection District (CA)

8. Regions where reduced spacing is not approved

Enphase is aware that the two jurisdictions do not accept reduced spacing for the IQ Battery 5P.

- Sunnyvale Department of Public Safety, Fire Prevention (CA)
- City of Palo Alto (CA)

Enphase continues to work with these AHJs to advocate for acceptance of reduced spacing per UL 9540A testing. In the meantime, Enphase installers should adhere to current AHJ requirements.

9. Revision history

REVISION	DATE	DESCRIPTION
ING-00044-4.0	January 2026	Editorial and formatting updates.
ING-00044-3.0	December 2025	Added IQ Battery 10C installations.
ING-00044-2.0	August 2024	Added the AHJ list, removed San Jose from the “not accepting” list, and made editorial updates.
ING-00044-1.0	May 2024	Initial release.