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## Battery cabinet front and rear distance requirements

Where should a battery cabinet be installed?

The battery cabinet must be installed adjacent to the power cabinet. The following diagram shows the equipment layout for a typical new indoor Macrocell site. Notes: The cabinets may be placed with zero clearance to the rear wall. The cabinets may be placed with zero clearance to the side wall, however some clearance is recommended.

What is the minimum clearance for a battery rack?

For battery racks, there shall be a minimum clearance of 25 mm(1 in.) between a cell container and any wall or structure on the side not requiring access for maintenance. Battery stands shall be permitted to contact adjacent walls or structures, provided that the battery shelf has a free air space for not less than 90 percent of its length.

How much space do you need for a battery system?

Spaces about battery systems shall comply with 110.26. Working space shall be measured from the edge of the battery cabinet, racks, or trays. For battery racks, there shall be a minimum clearance of 25 mm(1 in.) between a cell container and any wall or structure on the side not requiring access for maintenance.

What are the requirements for a battery location?

Battery locations shall conform to 480.9 (A), (B), and (C). (A) Ventilation. Provisions appropriate to the battery technology shall be made for sufficient diffusion and ventilation of gases from the battery, if present, to prevent the accumulation of an explosive mixture. (B) Live Parts. Guarding of live parts shall comply with 110.27.

**C A U T I O N** If Eaton battery cabinets are located in the same room as the UPS, the battery cabinet environmental requirements supersede the UPS requirements. Operating ...

Stop battery overheating. This checklist details essential venting clearance and code rules for safe, compliant battery cabinet installation.

2 This minimum clearance must be maintained at all times, as it ensures adequate airflow for Powerwall 3. A minimum clearance of 36 ...

Floor space requirements include working space in front of the cabinet and, for seismic locations, clearance between the cabinet and adjacent equipment. See Figure 1.

In line-ups where battery back-up cabinets may be needed, the footprint location must be ascertained ahead of time because batteries cannot be added easily to side-by-side ...

Stop battery overheating. This checklist details essential venting clearance and code rules for safe, compliant battery cabinet ...

480.9 Battery Locations. Code Change Summary: Many new requirements were added for

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battery locations in 480.9. As battery technology changes, so does the need to modify the rules

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2 This minimum clearance must be maintained at all times, as it ensures adequate airflow for Powerwall 3. A minimum clearance of 36 inches (914 mm) is required in front of ...

The installation site must meet the requirements of the local fire protection regulations. The available height must be greater than the tilt dimension of the battery cabinet.

The minimum horizontal spacing requirement is 30 cm (12 inches) between two EG4-LL, EG4-LL-S and/or LifePower4 6 slot battery cabinet pairs as shown in Figure 2.

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