

Powerwall 3 Expansion Specifications

Battery Technical Specifications

Model Number	1807000-xx-y
Nominal Battery Energy	13.5 kWh
Voltage Range	52 - 92 V DC ¹

¹Expansion units are connected in parallel and are not field serviceable.

Compliance Information

Certifications	UL 1973, UL 9540
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Environmental Specifications

Operating Temperature	-20°C to 50°C (-4°F to 122°F) ²
Operating Humidity (RH)	Up to 100%, condensing
Storage Temperature	-20°C to 30°C (-4°F to 86°F), up to 95% RH, non-condensing, State of Energy (SOE): 25% initial

Maximum Elevation	3000 m (9843 ft)
Environment	Indoor and outdoor rated
Enclosure Rating	NEMA 3R
Ingress Rating	IP67
Pollution Rating	PD3

²Performance may be de-rated at operating temperatures above 40°C (104°F).

Mechanical Specifications

Dimensions	43.5 x 24 x 6.6 in (1105 x 609 x 168 mm) ³
Total Weight of Wall-Mounted Unit (Includes cover and bracket)	261.2 lb (118.5 kg)
Weight of Powerwall 3 Expansion (no cover or bracket)	242.5 lb (110 kg)
Weight of Glass Front Cover	14.5 lb (6.5 kg)
Weight of Wall Bracket	4.2 lb (1.9 kg)
Weight of Expansion Harness	2 lb (0.9 kg)
Weight of Expansion Unit Accessories	1.5 lb (0.7 kg)

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Mounting Options	Floor or wall mount
Stacking Capability (Floor Mount Only)	Up to (3) Expansion units behind a Powerwall 3
Compatibility with Other Systems	Only compatible with Powerwall 3
Connection to Powerwall 3 or Expansions	Expansion Harness ⁴

**NOTE**

See [Powerwall 3 Center of Mass](#) for weights of stacked configurations.

³These dimensions include the glass front cover being installed on the Expansion unit.

⁴The Expansion Harness is a listed component of the UL 9540 certification.