

Daily Powerwall Home Battery



The Daily Powerwall is a wall-mounted battery pack intended for residential or commercial use. It is a rechargeable lithium-ion battery pack designed to provide energy storage for solar self-consumption, load shifting, backup power or any high throughput applications. The battery pack's electrical interface is provided by an isolated bi-directional DC/DC converter intended to provide a constant power DC link for integration with solar grid-tie inverters.

Electrical Specifications

Power, continuous & peak	3.3 kW
Energy ¹	6.4 kWh
DC Voltage	350V-450V
DC Current	9.5 A
Round Trip Efficiency (Beginning of Life) ¹	92.5 % (for a 400V-450V DC bus)
Depth of Discharge	100%
Equivalent Cycles ²	Equivalent to 1 full cycle per day for 10 years

¹ Values provided for 25°C (77°F), 2kW charge/discharge power

² User is not penalized for partial cycles. Two partial 50% cycles is equivalent to one full cycle.

Environmental Specifications

Operating temperature	-20°C to 50°C (-4°F to 122°F)
Storage conditions	
<24 hours	-30°C to 60°C (-22°F to 140°F)
<1 month	-20°C to 45°C (-4°F to 113°F)
<12 months	-20°C to 30°C (-4°F to 86°F), Initial SOE: 50% if stored >1month
Maximum humidity	<95% condensing
Maximum altitude	3000m (9842ft)
Impact Rating	IK09
Ingress Rating	IP35 & NEMA 3R (Powerwall) IP67 (battery Pod)

Mechanical Specifications

Dimensions	L: 1300 mm (4.27 ft) W: 860 mm (2.82 ft) D: 180 mm (0.59 ft)
Weight	95 kg (210 lbs)

