INVERTER / TESLA

Tesla Powerwall 3 Inverter

Integrated into Powerwall 3

Powerwall 3 has its solar inverter built in. Solar panels connect directly to the unit, combining solar production, battery storage and backup in one system.



Up to 11.5 kW	Up to 20 kW DC	10 years
Continuous AC output	Solar input	Powerwall warranty

For your home

One system for solar and storage
The built-in inverter converts solar power for your home. The battery stores energy for later use.

No separate Tesla Solar Inverter needed
A new Powerwall 3 solar installation uses its integrated inverter. Tesla’s standalone Solar Inverter is a different option.

Your system

- Solar array size and electrical layout
- Appliance starting loads and backup circuits
- Powerwall placement and backup controls

MODEL DETAILS

Specifications & warranty

Tesla Powerwall 3 Inverter · Integrated into Powerwall 3

Specification	Value
Equipment	Powerwall 3 integrated solar inverter
Continuous AC output	Up to 11.5 kW
Maximum solar input	20 kW DC
Nominal grid voltage	120/240 V split-phase
Included battery storage	13.5 kWh nominal
Monitoring	Tesla App
Warranty	10 years

Warranty

Covered by Powerwall's 10-year limited warranty. Battery capacity and energy-throughput terms are in Tesla's warranty.

Inverter output ratings are per unit. Enphase output values above are at 240 V.

Original sources

Tesla Powerwall 3 North American data sheet

Tesla Powerwall 3 installation specifications

Tesla Powerwall 3 Expansion design guide

Tesla Powerwall limited warranty · USA