

Powerwall 2 AC Compatibility

UK Non-Backup (Single Phase Sites)

Electrical service	
Service type	230 V (1P + N + PE)
Maximum service size	All loads or grid feed(s) can be metered with 200 A CTs
Site configuration	
Maximum number of Gateways	1 Non-Backup Gateway per utility meter
Maximum number of Powerwalls per site	1 per site (4 per site with utility approval)
Solar compatibility	
Recommended solar inverters	Any grid-tied solar inverter
Maximum solar size outside of backup circuit	Unlimited (local utility limits may apply)
Maximum solar size within backup circuit	N/A
Backup loads supported	
Maximum loads connected to backup circuit	N/A
Maximum individual load within backup circuit	N/A
Large motor loads (HVAC, heat pump, well or pool pump)	N/A
Single/three phase loads	N/A
Backup generator compatibility	
Asynchronous backup with Generator with ATS and MTS	N/A
Generator upstream of Backup Gateway to operate in parallel with Powerwall	N/A
Automatic generator control	N/A
Compatibility with other energy systems	
Hydro power	Not yet compatible
Wind power	Not yet compatible
Powerwall 1	Not yet compatible
Existing battery storage systems	Not yet compatible
Combined heat and power systems	Not yet compatible
Solar booster (controlled load to increase solar self-consumption)	Not yet compatible

Powerwall 2 AC Compatibility

Recommended max allowable grid impedance (L-N) for:	
1 Powerwall	0.9 Ω
2 Powerwalls	0.5 Ω
3 Powerwalls	0.33 Ω
4 Powerwalls	0.25 Ω
5 Powerwalls	N/A
6 Powerwalls	N/A
7 Powerwalls	N/A
8 Powerwalls	N/A
9 Powerwalls	N/A
10 Powerwalls	N/A
System Capability	
Powerwall power (maximum continuous)	5 kW or 3.68 kW
Self-Powered mode	Yes
Backup-Only mode	No
Configurable backup reserve while in other modes	N/A
Grid charging for backup	N/A
Generator charging of Powerwall	N/A
Solar charging during outage	N/A
Time-Based Control	Yes
Powerwall grid charging	Yes
Powerwall grid export	Not allowed in this region
Home Energy monitoring	Solar, Powerwall, Grid, and Home power flows