

BATTERY STORAGE AND COMMERCIAL SOLAR CASE STUDY

# Tesla Powerwall 2



TOMORROW'S GENERATION TODAY

# TESLA POWERWALL 2

## Installation Capacity

Powerwall is a battery that stores solar energy so you can use it day or night and self-power your business. Solar panels typically generate more clean energy than your business can immediately use. Powerwall stores that excess solar to make it available on demand, maximising your use of solar and reducing your reliance on the grid. Through the Tesla mobile app, you gain full visibility and control over your self-powered business.

MAXIMISE  
SOLAR  
ENERGY



Compact and simple to install, Powerwall 2 is a completely automated system that requires no maintenance. The Powerwall 2.0 has more than twice the energy storage capacity of the original version with 14 kWh capacity. Over double the capacity means double the ability to keep your business running with guilt-free electric power.

### Specifications:

**Touch Safe** - Touch safe for the entire business with no live wires or bulky vents.

**Flexible Installation** - Wall mounted or floor mounted, stack up to nine Powerwall units to power businesses of any size.

**Scalable Design** - scales to the space, power and energy requirements of any site, from small commercial businesses to regional utilities

**Always Connected** - Monitor your solar energy use in real-time and receive alerts when Powerwall is preparing for cloudy or severe weather.



TOMORROW'S GENERATION TODAY

EMPOWER  
ENERGY

# Donhead Hall

Empower Energy was commissioned to design and install a 66KWp solar PV system on the rooftop of Donhead Hall in Wiltshire.

The system consisted of 194 x 340W solar panels, 28 x P370 optimisers and a 1x SE-55000 SolarEdge inverter system. SolarEdge inverters are specifically designed to work with a SolarEdge power optimiser. SolarEdge are able to increase energy production and are equipped with automatic shutdown for maximum safety.

The solar installation will help the business to save on electricity bills. It will also reduce 5,430kg of carbon footprint a year.



SOLAR PV DESIGN



SOLAR PV INVERTER



SOLAR PV SYSTEM

## KEY FACTS

### INSTALLED

June 2020

194 x 340W solar Panels

Tesla Powerwall 2 x 3

28 x P370 Optimisers

1x SolarEdge Inverter

### SIZE

66 KWP

### PANEL

JA SOLAR

### INVERTER

&

OPTIMISER

SOLAREGE

## CO2 REDUCTION

5,430Kg / year



Enhance your  
**green** credentials



Save you **£1000s**  
every year



Protect against  
**rising fuel costs**

In a market often associated with pushy sales people and poor customer care, our attention to detail and honest approach constantly reinforces our good reputation.

If you would like more information on how to become more energy efficient or would like to book a free, no-obligation survey to find out how much you could save then please get in touch.

✉ [info@empowerenergy.co.uk](mailto:info@empowerenergy.co.uk)

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**EMPOWER**  
ENERGY

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