

Low Carbon, All Electric Home

South West, England UK

7 kWp GB Sol integrated solar PV system
13.5 kWh Tesla Powerwall 2 solar battery
4 kW Mitsubishi Ecodan air source heat pump

This model home of the future combines various low carbon and energy saving technologies to deliver a lower cost, eco-friendly lifestyle for homeowners.

Fully integrated solar, energy storage and heat pump technologies have been combined with MVRH (mechanical ventilation with heat recovery system) to create a low carbon house that provides homeowners with more control over their energy consumption.

The combination of technologies in this Passivhaus design has led to an exceptional EPC score of 105 (A rating = 95+).

This self-powered “off-grid” home is an ideal solution for new build properties and sets an example for what technologies the future energy efficient home should contain.

