



Helios House •

Brockley Lane • Backwell • Bristol • BS48 4AH



ELC54057 Solar Photovoltaics Systems Solar Heating Systems Solid Bio-fuel Heating Systems Heat Pump systems



















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## Green Homes Grant Voucher Scheme

- Reduces cost of install energy saving measures in your home
- Vouchers cover two-thirds of the cost of eligible improvements, up to a maximum contribution of £5,000 (£10,000 income support).
- Eligible if you live in England own your own home
- Primary Measures: Insulation, Low carbon heating
- Secondary Measures: Doors & windows, Heating controls

For more info: <u>https://www.gov.uk/guidance/apply-for-the-green-homes-grant-scheme</u>

Low carbon heat options solar Thermal and Air Source Heatpumps Ground source heatpumps only really justified in farm locations with fields.





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#### **Air Source Heat Pumps - Components**

Outdoor unit (condenser)

https://library.mitsubishielectric.co.uk/pdf/book/Ecodan-QUHZ-W40VA-EHPT20Q-VM2EA#page-1-2



**Thermal Store** 



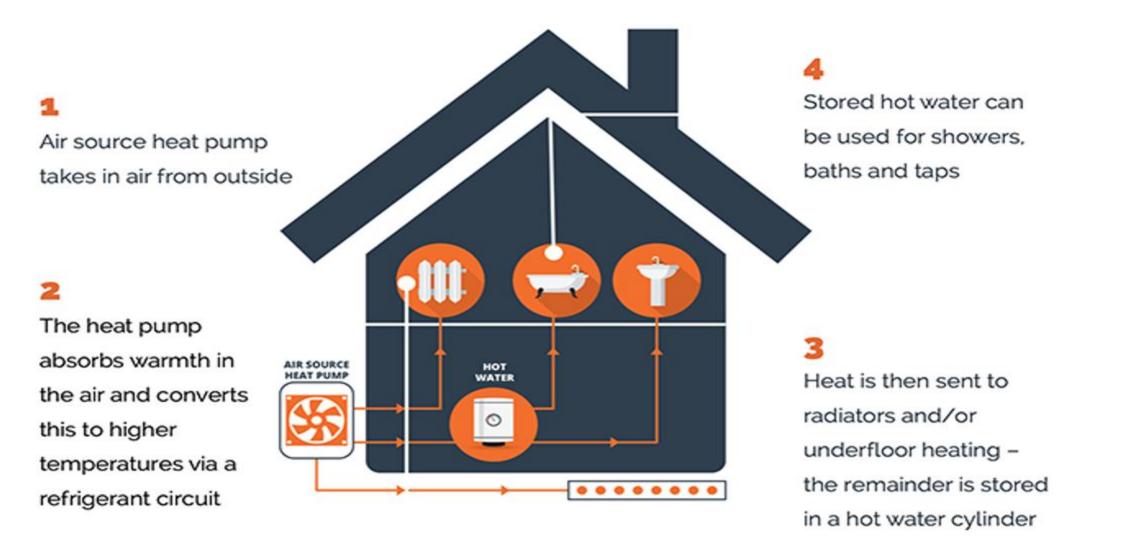


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## **Air Source Heat Pumps Explained**



Solarsense



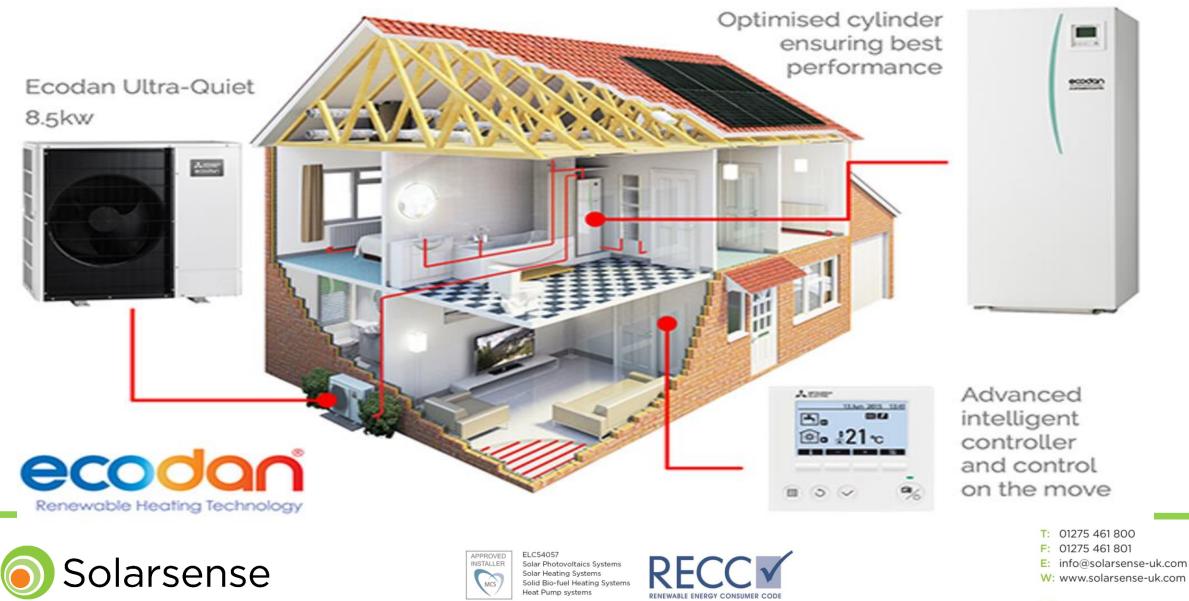
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### **Recommended - Ecodan Complete System**

#### An effective, renewable alternative to traditional gas or oil fired heating systems



## **Solar Thermal Systems**





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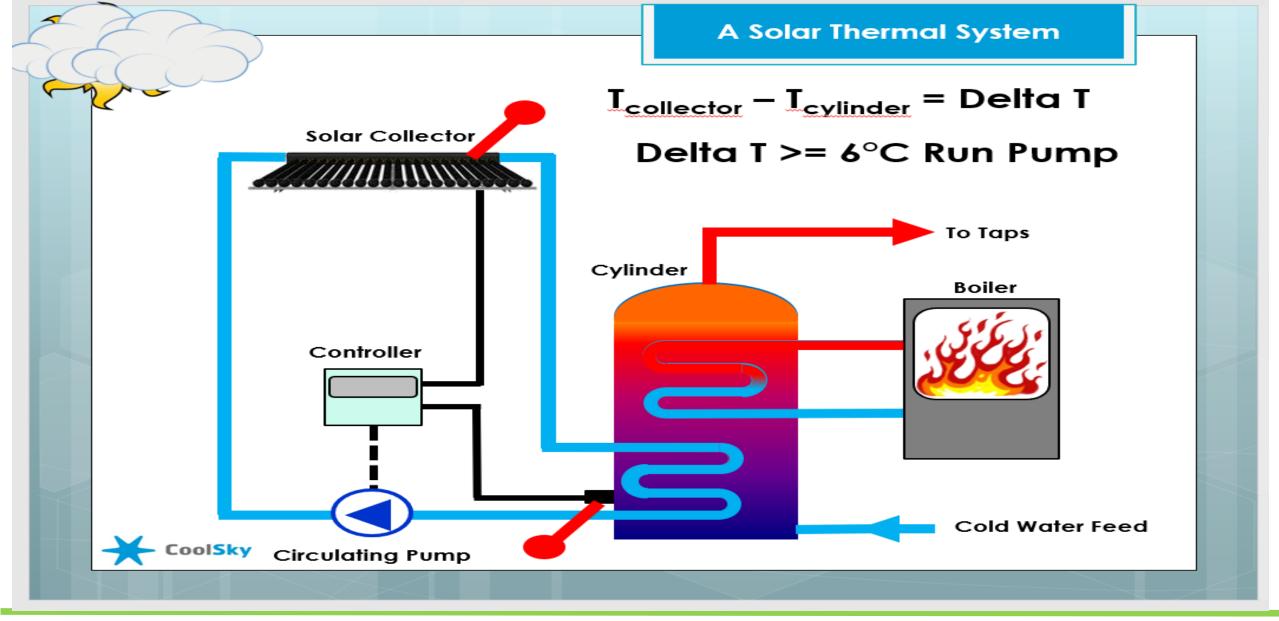


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# Solar Thermal

- Uses sunlight to generate heat for hot water
- Either evacuated tubes or flat plate collector
- Connected to a new twin coil hotwater cylinder
- If Combie Boilers a cylinder has to be added
- Eligble for Green home grant
- More suited for family homes
- Much more efficient than PV for hotwater









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T: 01275 461 800 F: 01275 461 801 E: info@solarsense-uk.com W: www.solarsense-uk.com houses off mains gas will make the larger financial savings in having Solar thermal or a heatpump but all homes could be suitable but will need to make them well insulated to install a heatpump.





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When installing Solar Thermal it is worth considering PV which though isnt covered under the grant will be cheaper to install alongside whilst scaffold is inplace and teams onsite and will produce power for house and towards future electric car and battery technology.





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T: 01275 461 800 F: 01275 461 801 E: info@solarsense-uk.com W: www.solarsense-uk.com In summary, to apply for greenhomes grant for solar thermal or heatpump first request companies to survey your home then send one quote with application , then get voucher to have work installed.

# Then you can enjoy the benefits of renewable heating!





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