SOLAR THERMAL PACKAGE

Telford COPPER & STAINLESS CYLINDERS LIMITED

Pressurised, sealed, solar thermal domestic hot water package system with twin coil indirect, unvented, stainless-steel hot water storage cylinder.

Telford solar thermal domestic hot water packages are designed for use with heating systems where solar thermal is used to compliment the main heat source. The Duplex stainless-steel cylinders feature a purpose-designed solar coil which allows maximum heat transfer of renewable energy into the stored water. The upper coil connects to the traditional heat source and a factory-fitted 3 kW immersion heater provides back-up heat.

FEATURES & BENEFITS

- ✓ Complete domestic hot water package solution
- ✓ Can provide up to 70% of domestic hot water annually
- ✓ A zero emissions renewable energy source
- ✓ Solar Keymark approved flat panel solar collectors with tempered safety glass
- ✓ Absorbs solar gain even on cloudy days
- ✓ On-roof, in-roof and flat roof mounting options with easy to install fastening system
- ✓ Lightweight design & specially developed jointing technology
- ✓ Suitable for new build and refurbishment projects
- ✓ Easily integrates with existing heating system
- ✓ Can contribute towards space heating
- ✓ Low maintenance system
- ✓ Hybrid options available with LG air source heat pumps
- ✓ Cost-effective – provides a good return on investment
- ✓ Established renewable technology
- ✓ Cylinders available in 170–300 litre capacities
- ✓ Supplies mains pressure hot water and high flow rates
- ✓ 10 year system warranty*

*Terms & conditions apply

A standard solar package includes:

18L expansion vessel, 2 panel in-roof/on-roof kit, flow & return pipes, solar controller, pump station & solar fluid.

THE HOT WATER STORAGE SPECIALISTS

EST. 1989

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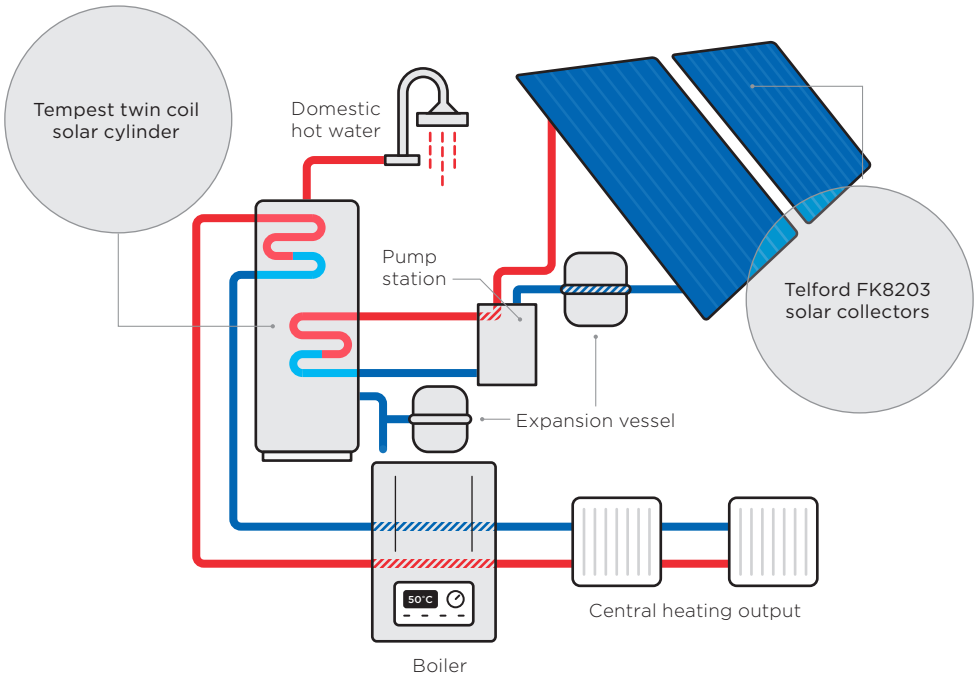
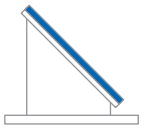
TECHNICAL DATA

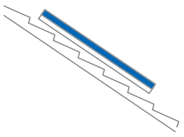


INSTALLATION OPTIONS

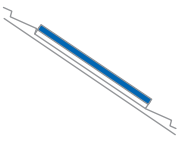
Flat-roof – 45°



Pitched-roof – parallel



In-roof



	Telford – FK8203
Collector type	Flat panel collector
Overall area (m^2)	2.02
Absorber area (m^2)	1.84
Aperture area (m^2)	1.84
L x W x H (mm)	1.730 x 1.170 x 83
Weight (kg)	31
Absorber capacity (l)	1.56
Housing	Al-frame
Surface	Al-natural
Back plate	Al-sheet
Absorber sheet	Al, high selectiv coated
Absorption (%)	95
Emission (%)	5
Ø manifold (mm)	22
Ø risers (mm)	8
Connections	4 x blank (compression joint)
Glass	3.2 mm tempered solar safety glass – black-frame design
Transmittance of glass (%)	90
Insulation	40 mm mineral wool plate
Max. stagnation temperature	192°C under norm conditions
Max. operating pressure	10 bar
Proper heat transfer medium	Polypropylene glycol / water mixture
Approved installation angle	Min. 15 – max. 75°

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