

Flat plate solar collector

The SOLC201 is a high quality, efficient solar flat plate collector with a 1365Wp output, making it the collector of choice for a range of domestic and commercial installations.

The SOLC201 consists of a laser welded meander pipe with a high selective full area absorber coating and 30mm rear insulation. The whole assembly is encased in an anthracite anodised aluminium frame for a neat construction. The collectors can be connected in series in either horizontal or vertical orientation to suit the available roof space.

Compression fittings make the lightweight SOLC201 easy to install and the extensive range of accessories available for on-roof or free standing installations means the SOLC201 is suitable for a wide range of applications.

The SOLC201 collectors can be combined with a choice of either the premium SOLPU1 pump station or the new cost effective SOLPU0 module, providing an ultra cost effective solar thermal solution.

The collector is Solar Keymark approved and has the benefit of a 10 year warranty, assuring the quality and longevity of the collector.

Key Features

- Standard efficiency solar thermal collector
- Suitable for portrait or landscape orientation with connection of up to 4 panels in series
- Easy to install with Dimplex roof fixing kits:
 - Slate
 - Tile
 - Coach bolts
 - Flat roof
 - Free standing
- Lightweight – only 29kg per panel when empty
- 3.2mm clear solar safety glass with 85% transmission allowing the collector to absorb a wide range of the solar spectrum
- The clear safety glass covering has passed optional impact resistance tests as detailed in EN12975-2
- Aluminium, anthracite powder coated frame provides lightweight protection for the absorber that blends with the roof
- Spring suspended aluminium absorber sheet providing high efficiency over product life span
- Laser welded meander absorber for low pressure drop of overall collector field
- Compression fittings for ease of installation.
- Each panel has 4 connections allowing:
 - Left or right hand connections
 - Up to 4 collectors directly connected together
 - Collectors connected in parallel, thus lowering overall pressure drop of array
 - Same collector for portrait and landscape orientations
 - Individual options to position sensor pocket for maximum flexibility
- 10 year warranty
- Solar Keymark approved



Specifications

| | |
|--|--|
| Gross collector area (m ²) | 2.01 |
| Absorber/Aperture area (m ²) | 1.825 |
| Length (mm) | 1908 |
| Width (mm) | 1058 |
| Height (mm) | 75 |
| Weight – empty (kg) | 29 |
| Liquid content (l) | 1.25 |
| Glass | 3.2mm low iron solar glass |
| Zero heat loss efficiency | η_0 : 74.80% |
| Heat loss coefficient | a1: 3.93 W/m ² K a2: 0.0148 W/m ² /K ² |
| Stagnation temperature (°C) | 199 |
| Absorber material | Aluminium/copper |
| Peak power (W) | 1365 |
| Absorption | 92% |
| Emission | 5% |
| Connections | Compression |
| Transmission of glass | 95% |
| Max. operating pressure (bar) | 10 |

Dimplex Solar Thermal System Packages

| ROOF KIT PACKAGES |
|---|
| Choice of 2.01m ² , 4.02m ² and 6.03m ² collector kits |
| On roof mounting for plain tile, corrugated tile or slate roofs |
| In roof mounting for plain tile or slate roofs (Nov 2011) |
| Free standing panels for flat roofs or ground level mounting |

| HYDRAULIC PACKAGES |
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| Choice of standard or premium hydraulic packs |
| Include pump station, controller, heat transfer fluid, expansion vessel and fixing kit |

| PACKAGE OPTIONS | |
|------------------|--|
| SOL201 – 1 panel | Add suffix to item code CT for corrugated tile PT for plain tile S for slate tile CB for coach bolt F for free standing |
| SOL402 – 2 panel | |
| SOL603 – 3 panel | |

| HYDRAULIC PACK OPTIONS |
|---|
| SOLHYPK0 – standard pack, with return only pump station |
| SOLHYPK1 – premium pack, with flow/return pump station |



Dimplex EC-Eau Solar Cylinders

| DIMPLEX EC-EAU SOLAR CYLINDERS |
|--|
| Unvented, stainless steel construction |
| Choice of models from 175 – 300 litres |
| Indirect (twin coil) and direct (solar coil only) options |
| Optimally sized, high surface area heat exchangers for solar operation |
| Very low standing heat losses, due to 60mm CFC-free foam insulation and innovative design features |
| Manufactured from sustainable and recycled materials |
| 25 year vessel warranty |
| Supplied complete with expansion vessel and all necessary safety equipment |
| KIWA approved |

| INDIRECT MODELS |
|--------------------------------|
| ECSi175ST-580 – 175l twin coil |
| ECSi210ST-580 – 210l twin coil |
| ECSi250ST-580 – 250l twin coil |
| ECSi300ST-580 – 300l twin coil |

| DIRECT MODELS |
|----------------------------------|
| ECSd175ST-580 – 175l single coil |
| ECSd210ST-580 – 210l single coil |
| ECSd250ST-580 – 250l single coil |
| ECSd300ST-580 – 300l single coil |

Please see our EC-Eau cylinder brochure for full technical details

