

# Grant Solar Range

Solar Thermal Systems from Grant allow householders to utilise the power of the sun to provide hot water to their home. An environmentally responsible alternative to traditional energy sources and fossil fuels, solar thermal technology has zero CO<sub>2</sub> emissions and efficiently uses the energy from the sun within a central heating system. Grant Solar Thermal systems are compatible with different types of roof and easily incorporate into an existing or new heating system so accessing the benefits of the inexhaustible supply of sunshine is made simple and easy.



year  
guarantee\*

[www.grantuk.com](http://www.grantuk.com)



\*When installed by a G1 Installer.  
Subject to full T&C's.

# Grant Solar Thermal Technology

## Roof mounting options

Almost any roof type is suitable for solar thermal but, when choosing an appropriate system, there are a couple of factors worth considering. Positioning the collectors in a south-facing arrangement could gain 100% of available solar energy during a day whereas a south-east or south-west facing roof will have a reduction in yield of 5-10%.

Grant's Solar Thermal systems are designed to suit both sloping and flat roofs with on-roof, in-roof and flat roof mounting arrangements available.

### On-Roof

Using the on-roof mounting system, the Sahara collectors are quickly and easily located above the roof tiles or slates using brackets and a mounting rail attached directly to the roof trusses. This system is available with fixing brackets suitable for all roof tile types and on roof pitch ranges from 20° to 60°.

### In-Roof

With the in-roof mounting arrangement, the collectors are set into the roof tiles or slates ensuring a low-profile appearance. The roof surface beneath is closed within an aluminium weathering cassette incorporating flashings and drainage channels. In new build applications, this mounting option offers an additional benefit of reducing roofing costs because tiles are not required beneath the installation.

### Flat Roof

The third mounting option from Grant is the flat-roof system. This system is based upon the on-roof design with the mounting rails fitted to a rigid inclined frame structure. This method allows the collectors to be positioned quickly and easily on a flat roof or other flat surface.



## Kits

### On-Roof | Portrait

GSSKIT0	1 collector kit
GSSKIT1	2 collector kit
GSSKIT2	3 collector kit

### In-Roof | Portrait | Slate

GSSKIT16	1 collector kit
GSSKIT17	2 collector kit
GSSKIT18	3 collector kit

### Flat Roof | Portrait

GSSKIT5	2 collector kit
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### On-Roof | Landscape

GSSKIT1LAND	2 collector kit
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### In-Roof | Landscape | Tile

GSSKIT15LAND	1 collector kit
GSSKIT3LAND	2 collector kit
GSS3ILT1	3 collector kit






### In-Roof | Portrait | Tile

GSSKIT15	1 collector kit
GSSKIT3	2 collector kit
GSSKIT4	3 collector kit

### In-Roof | Landscape | Slate

GSSKIT17LAND	2 collector kit
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## Features

-  82.6% collector efficiency
-  Significantly lower CO<sub>2</sub> emissions
-  Dramatically reduced annual fuel bills
-  Minimum maintenance
-  Eligible for RHI payments