



## Step 1: Panels options

Panel Pack Options:	1 Panel Pack	2 Panel Pack	3 Panel Pack
	Glow-worm Part No.	Glow-worm Part No.	Glow-worm Part No.
In Roof pack: Vertical	0020078858	0020078859	0020078860
In Roof pack: Horizontal	0020078870	0020078871	0020078872
Tile packs: Vertical	0020078852	0020078853	0020078854
Tile packs: Horizontal	0020078864	0020078865	0020078866
Slate packs: Vertical	0020078855	0020078856	0020078857
Slate packs: Horizontal	0020078867	0020078868	0020078869
A-Frame packs: Vertical	0020078861	0020078862	0020078863
A-Frame packs: Horizontal	0020078873	0020078874	0020078875
Developer pack A: Vertical	0020078876	0020078877	0020078878
Developer pack A: Horizontal	0020078879	0020078880	0020078881
Developer pack B	0020078882	0020080375	0020080376

- Straightforward solar thermal solutions
- High performance robust flat plate
- Delivers approx. 50-60% of annual domestic hot water requirements
- Pressurised system compatible with all new and existing high efficiency open vent & sealed system boilers including Glow-worm

## Step 2: Pipe work pack

### Pipework kit components

System flexible pipe 1 x 15m DN16	0020054964	2
System fittings pack for DN16 pipe	0020054965	1

## Step 3: Twin coil cylinder pack

Solar cylinders	200 Litres	250 Litres	300 Litres
Twin coil cylinder 200 l	0010006232	1	
Twin coil cylinder 250 l	0010006233		1
Twin coil cylinder 300 l	0010006234		1
Thermostatic mixing valve	0020054967	1	1

## Technical data: clearly solar flat plate collector

Model	Vertical Collector	Horizontal Collector
<b>Dimensions and weights</b>		
Orientation	Vertical (Portrait)	Horizontal (Landscape)
Height / Width / Depth (mm)	2035 / 1233 / 80	1233 / 2035 / 80
Overall collector area (mm)	2.51	2.51
Aperture area (m2)	2.35	2.35
Absorber area (m2)	2.32	2.32
Weight (empty) (kg)	38	38
Capacity (solar fluid) (l)	1.85	2.16
<b>Performance</b>		
Solar glass transmission (%)	91	91
Solar radiation absorption (%)	95	95
Solar radiation emission (%)	5	5
Efficiency $\eta_0$ (%)	79.0	80.1
Efficiency coefficient $a_1$ (W/(m2.K))	2.41	3.32
Efficiency coefficient $a_2$ (W/(m2.K))	0.049	0.023
Max operating pressure (bar)	10	10
Stagnation temperature (°C)	210	210
Certification	CE 0036 & Solar Keymark	CE 0036 & Solar Keymark
<b>Materials &amp; construction</b>		
Absorber Sheet	Aluminium	Aluminium
Absorber plate coating	Sunselect (selective)	Sunselect (selective)
Absorber tube	Copper	Copper
Absorber tube joints	Laser welded	Laser welded
Aluminium Frame	Extruded sides / sheet rear	Extruded sides / sheet rear
Glazing	Safety glass (low iron), 3.2mm	Safety glass (low iron), 3.2mm
Rear insulation	40mm	40mm
Solar fluid	Water / propylene glycol	Water / propylene glycol
Flow / return connections	DN 16 (G3/4")	DN 16 (G3/4")