

RENEWABLE ENERGY SOLUTIONS  
KINGSPAN SOLAR DATA SHEET

FPW FLAT PLATE

CUT YOUR  
ENERGY COSTS

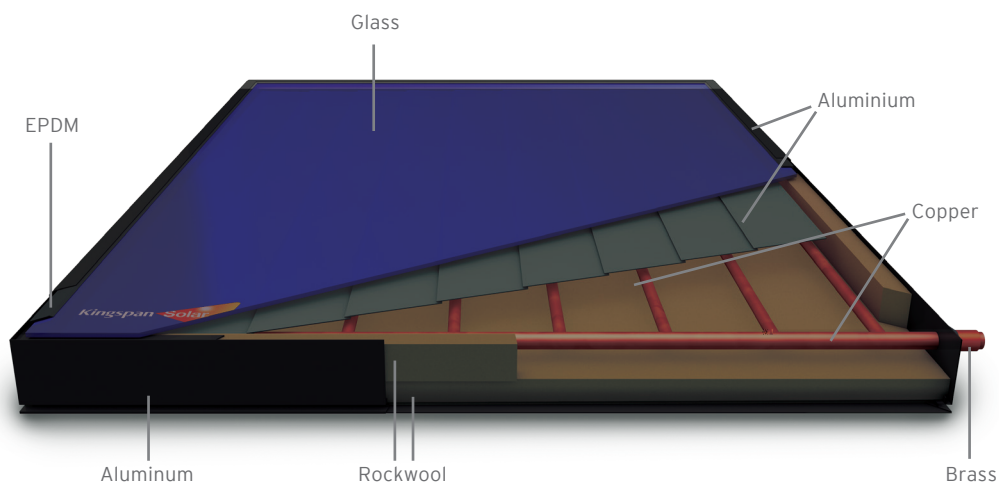


## FPW FLAT PLATE

These panels deliver a cost-effective solution both in domestic and commercial applications and provide excellent levels of efficiency and performance.

### FLAT PLATE SPECIFICATION SUMMARY

DIMENSIONS	FPW18 FLAT PLATE	FPW21 FLAT PLATE	FPW25 FLAT PLATE
Gross Area	1.80 sq m	2.07 sq m	2.43 sq m
Aperture Area	1.62 sq m	1.92 sq m	2.23 sq m
Overall Dimensions	1929x933x90	1988x1041x90	1990x1222x90
Panel Volume of Liquid:	1 litre	1.07 litres	1.27 litres
Panel Weight:	34 kg	37.2 kg	44 kg
<b>MOUNTING</b>			
Type of Mounting:	'In-roof', 'On-roof' and A-frame		
<b>OPERATING DATA</b>			
ZeroLossCollectorEfficiency( $\eta_c$ ):	0.785	0.785	0.785
1st Heat Loss Coefficient ( $a_1$ ):	3.722 w/m <sup>2</sup> K	3.722 w/m <sup>2</sup> K	3.722 w/m <sup>2</sup> K
2ndHeatLossCoefficient( $a_2$ ):	0.012 w/m <sup>2</sup> K <sup>2</sup>	0.012 w/m <sup>2</sup> K <sup>2</sup>	0.012 w/m <sup>2</sup> K <sup>2</sup>
Emittance (%):	4	4	4
Absorption (%):	95	95	95
Max. Operating Pressure:	10 bar	10 bar	10 bar
Casing:	Electrostatically Coated (Black) Aluminium		
Back Plate:	Embossed Aluminium	Embossed Aluminium	Embossed Aluminium
Welding Method:	Laser Welding	Laser Welding	Laser Welding
Absorber Material:	Almecco Tinox Highly Selective Aluminium		
Glass:	Low Iron Tempered Glass		
Insulation:	Rockwool	Rockwool	Rockwool
<b>QUALITY CERTIFICATION</b>			
SolarKeymark&MCS Certification	YES	YES	YES
IAB Approval	YES	YES	YES
BBA Approval	YES	YES	YES



### FEATURES

- High efficiency performance
- Ease of installation with appropriate package solutions - 'in-roof'/'on-roof'/'A-frame
- Weather-proof seal
- Aesthetically pleasing installation image (comparable to a roof light or velux window)
- Highly insulated to reduce heat loss
- 4mm thick low iron tempered prismatic glass
- Blend into roof line ('in-roof' cassettes)
- Lightweight - easy to handle on site
- 95% absorption
- MCS Approved



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