

RENEWABLE ENERGY SOLUTIONS
KINGSPAN SOLAR DATA SHEET

FPW FLAT PLATE

CUT YOUR
ENERGY COSTS

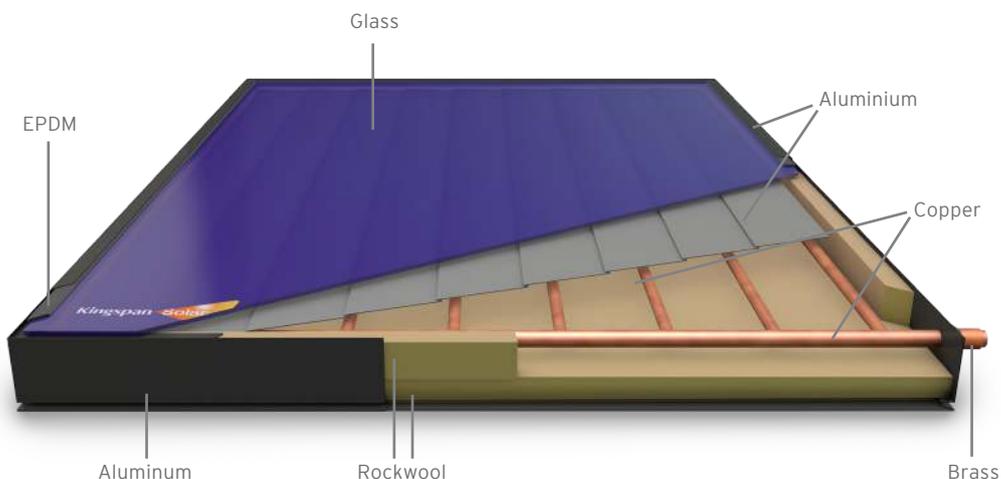


FPW FLAT PLATE

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
MOUNTING			
Type of Mounting:	'In-roof', 'On-roof' and A-frame		
OPERATING DATA			
ZeroLossCollectorEfficiency(η_0):	0.785	0.785	0.785
1st Heat Loss Coefficient (a_1):	3.722 w/m ² K	3.722 w/m ² K	3.722 w/m ² K
2ndHeatLossCoefficient(a_2):	0.012 w/m ² K ²	0.012 w/m ² K ²	0.012 w/m ² K ²
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
QUALITY CERTIFICATION			
SolarKeymark&MCS Certification	YES	YES	YES
IAB Approval	YES	YES	YES
BBA Approval	YES	YES	YES



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For further information visit www.kingspansolar.com

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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Thermal solar systems and components

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