Sunpower FlexiFLAT 140W / 150W

Flexible. Slim. Built to Last.

Technical Data



Ventilated mounting system with adjustable aluminium brackets.

FlexiFLAT combines an ultra-slim, flexible solar panel with the innovative ALDEN mounting system.

Unlike conventional flexible solar panels, FlexiFLAT does not need to be fully bonded to the vehicle roof. Special aluminium mounting brackets and spacers ensure continuous airflow beneath the panel, allowing heat to dissipate more effectively. This helps reduce high solar cell temperatures – a common cause of power loss and premature failure in conventional flat solar panels. As a result, FlexiFLAT not only improves energy yield but also contributes to a longer panel lifespan.

FlexiFLAT also features a newly developed, more robust solar cell interconnection system, specifically designed to withstand the demands of mobile applications.

Another advantage of the mounting system is that the panel can be easily removed from the vehicle roof whenever necessary.

- Ultra-slim, flexible solar panel with a sleek Full Black design
- Available in 140 W and 150 W versions
- High-efficiency PERC solar cells
- New, more robust solar cell interconnections
- ALDEN mounting system – no full-surface bonding required
- Continuous airflow beneath the panel for improved heat dissipation
- Lower cell temperatures for enhanced performance and a longer lifespan
- Easy panel removal when required

140W-Panel	Sunpower FlexiFLAT
Maximum Power (Pmax)	140W
Power Tolerance (W)	±3 %
Voltage at Maximum Power (Vmp)	22,62V
Current at Maximum Power (Imp)	6,19A
Open-Circuit Voltage (Voc)	25,74V
Short-Circuit Current (Isc)	6,5A
Maximum System Voltage	DC 1000V
Dimensions	1470 x 540 x 2,5 mm
Module Efficiency	17,63%

150W-Panel	Sunpower FlexiFLAT
Maximum Power (Pmax)	150W
Power Tolerance (W)	±3 %
Voltage at Maximum Power (Vmp)	19,14V
Current at Maximum Power (Imp)	7,84 A
Open-Circuit Voltage (Voc)	21,78V
Short-Circuit Current (Isc)	8,24A
Maximum System Voltage	DC 1000V
Dimensions	1260 x 665 x 2,5 mm
Module Efficiency	17,91%

All specifications were measured under standard test conditions:
AM 1.5 | Irradiance: 1000 W/m² | Cell Temperature: 25°C
Certifications: E, RoHS, IEC 61215, IEC 61730, ISO 9001, Sedex

Technical specifications and product appearance are subject to change without prior notice. Errors and omissions excepted.