

Solar Engineered for Today's Membrane Roof Systems

MiaSolé FLEX-02W Series—the world's most powerful lightweight and flexible thin-film solar modules.



High Performance Solar Roofing in a Lightweight Format

The FLEX-02W series modules are designed for low-slope commercial roofs—perfect for today's advanced membrane roof systems. The FLEX modules bond directly onto the membrane roof system, eliminating the need for solar racking, concrete ballasts, and roof penetrations. Integration of the low-profile, thin-film modules onto the membrane roof surface protects against seismic movement and high winds. The MiaSolé FLEX modules simplify project logistics and reduce labor costs and installation times. The final installed solar solution is lightweight, making it ideal for low-weight-bearing building structures.

Features and Benefits

- Factory-applied Self-Adhesive—Simple Peel-and-Stick Application
- Aperture Efficiency as High as 17%
- Lightweight—2.4 kg/m² (0.5 lb/ft²)
- Provides Four Times the Wattage per Kilogram as Silicon
- High Wind Zone Performance
- Low Labor and Balance-of-System (BOS) Costs
- Direct Bonding on Certain Roof Membranes
- Secondary Membrane Panel Option for Older Membrane Roofs



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Layout Modules



Clean & Prep Membrane Roof



Peel & Stick Modules to Membrane

TECHNICAL INFORMATION

The MiaSolé FLEX module is a flexible polymer encapsulated thin-film solar module based on MiaSolé advanced CIGS (Copper Indium Gallium Selenide) technology. The FLEX series modules are the solar industry's highest efficiency flexible CIGS thin-film solar modules on the market today.

Details	Specifications
Product	FLEX-02W Series
Length	2598 mm (102.3 in)
Width	1000 mm (39.4 in)
Module Thickness	2.5 mm (0.1 in)
Weight	6.2 kg (13.7 lbs) with adhesive
Weight/Area	2.4 kg/m ² (0.5 lb/ft ²) with adhesive
Junction Box Type	IP68
Cable Connections	MC4 Compatible
Cell Type	Copper Indium Gallium Diselenide (CIGS)
Bend Radius	508 mm (20 in) minimum
Warranty*	5 yr. workmanship; 10/25 yr. power output
Certifications	UL 1703, IEC 61646 and IEC 61730, UL Fire Class A over TPO - slope up to 2.5:12
Packaging Info	15 modules per crate, 75 modules per pallet, 300 modules per 20' ISO container, 1200 modules per 40' ISO container

*Please see full warranty for details.

The MiaSolé flexible, thin-film cell enables a number of product applications that standard silicon panels cannot offer.



- Low weight
- No ballast or racking
- No module grounding
- Non-penetrating
- Building-integrated PV module
- Designed for high wind and seismic zones



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**HIGH
EFFICIENCY**
**LIGHTWEIGHT
FORM**



FLEX-02W Series

FLEX-02 340W	340 WATTS
FLEX-02 350W	350 WATTS
FLEX-02 360W	360 WATTS
FLEX-02 370W	370 WATTS
FLEX-02 380W	380 WATTS

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Specifications included in this datasheet are subject to change without notice.

MiaSolé Approved for Public Release.

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