

# Metal Roofing Systems with High Efficiency Thin-Film Solar

MiaSolé FLEX series modules are the highest efficiency flexible thin solar modules on the market today.



## High Performance, Flexible, Lightweight Thin-film Solar

The MiaSolé FLEX series modules are the ideal solar solution for metal roofs. The modules are lightweight and can be directly bonded to the roof—eliminating racking, reducing weight load, and significantly lowering labor and project costs. MiaSolé FLEX modules can be installed over a wide range of standard architectural and specific exposed fastener metal roof panels. For example, the FLEX Series modules can be directly applied to industry-standard 7.2 trapezoid rib corrugated panels to create solar parking and RV canopies.

### Features and Benefits

- Factory Applied Self-Adhesive—Simple Peel-and-Stick Application
- Aperture Efficiency as High as 17%
- Lightweight—2.9 kg/m<sup>2</sup> (0.6 lb/ft<sup>2</sup>)
- Provides Four Times the Wattage per Kilogram as Silicon
- High Wind Zone Performance
- Lowest Rooftop Solar Installation Cost
- Optional: Factory-laminated on Metal Panels for Rapid Installation
- Optional: Field-applied Modules and On-site Roll Forming to Retrofit Existing Roofs



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Steep-slope Standing Seam



Low-slope Corrugated

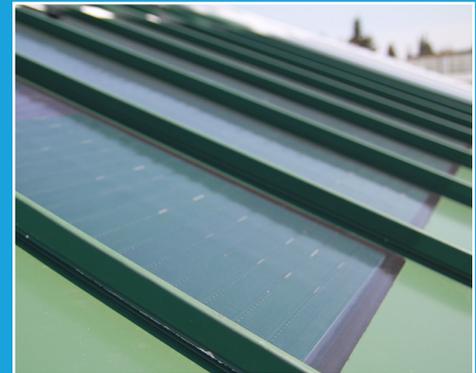


Solar Parking Canopies

# TECHNICAL INFORMATION

The MiaSolé FLEX module is a flexible polymer encapsulated thin-film solar module based on MiaSolé's 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.

HIGH  
EFFICIENCY  
LIGHTWEIGHT  
FORM



Details	Specifications	
Product	FLEX-02N	FLEX-02NL
Length	2598 mm (102.3 in)	5923 mm (233.2 in)
Width	370 mm (14.6 in)	370 mm (14.6 in)
Module Thickness	2.5 mm (0.1 in)	2.5 mm (0.1 in)
Weight w/adhesive	2.7 kg. (5.9 lb)	5.9 kg (13.1 lb)
Weight/Area	2.9 kg/m <sup>2</sup> (0.6 lb/ft <sup>2</sup> )	2.9 kg/m <sup>2</sup> (0.6 lb/ft <sup>2</sup> )
Junction Box Type	IP68	
Cable Connections	MC4 Compatible	
Cell Type	Copper Indium Gallium Diselenide (CIGS)	
Warranty*	5 yr. workmanship, 10/25 yr. power output	
Certifications	UL 1703, IEC 61646 and IEC 61730	

\*Please see full warranty for details.

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



- Integrated profile for aesthetic appeal
- Low installation cost
- Four times lighter than silicon solar panel solutions
- Superior resistance to wind

## FLEX-02N Series

FLEX-02 110N	110 WATTS
FLEX-02 115N	115 WATTS
FLEX-02 120N	120 WATTS
FLEX-02 125N	125 WATTS
FLEX-02 130N	130 WATTS

## FLEX-02NL Series

FLEX-02 265NL	265 WATTS
FLEX-02 275NL	275 WATTS
FLEX-02 285NL	285 WATTS
FLEX-02 295NL	295 WATTS
FLEX-02 305NL	305 WATTS

Contact us:  
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MiaSolé Approved for Public Release.

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