

# Lightweight Solar Modules for Landfill Covers

The MiaSolé FLEX-02W Series—the world's most powerful lightweight, flexible thin-film solar modules—provides power generation for landfill covers

## Solar Landfill Cover Benefits:

- Landfills are located on large, open areas with no commercial or agriculture use or value—perfect for solar installations.
- Closing and sealing landfills with a synthetic TPO membrane cover reduces costs compared to conventional standard subtitle D methods. Flexible modules can be bonded directly to the membrane cover.
- Membrane covers and flexible modules are a perfect combination for sloped landfill sites where conventional solar arrays cannot be installed due to slope and live-load limitations.
- Large power-generation area and fewer shading issues when compared to rooftop solar.
- Excellent complement to landfill gas technology to increase overall energy output.

## MiaSolé FLEX Benefits:

- Easy to install—simply peel-and-stick module onto the membrane used to contain, cover and close the landfill
- Non-penetration installation protects the environment
- Flexible—conforms to the contours of the landfill and accommodates differential settlement
- Resistant to theft and vandalism
- Wind- and seismic-resistant
- Shatter-proof—won't break if struck by debris



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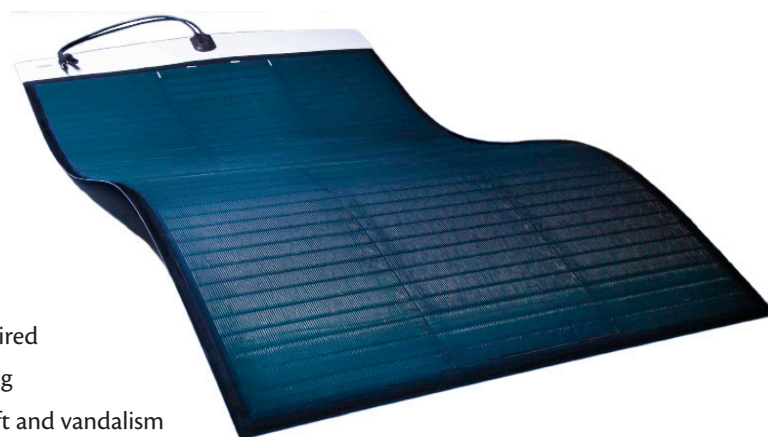
# TECHNICAL INFORMATION

The MiaSolé FLEX Series 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 <sup>2</sup> (0.5 lb/ft <sup>2</sup> ) with adhesive
Junction Box Type	IP68
Cable Connections	MC4 Compatible
Cell Type	Copper Indium Gallium Selenide (CIGS)
Bend Radius	508 mm (20 in) minimum
Warranty*	5 year workmanship; 10/25 year 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, including solar landfill covers, that standard silicon panels cannot offer.



- Flexible
- No racking required
- Non-penetrating
- Resistant to theft and vandalism
- Designed for high wind and seismic zones



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HIGH  
EFFICIENCY

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FLEXIBLE  
FORM

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IDEAL FOR  
LANDFILL COVERS



## 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

Contact us  
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MiaSolé Approved for Public Release.

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