

# Lightweight Solar Modules for Landfill Covers

The MiaSolé FLEX-W 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



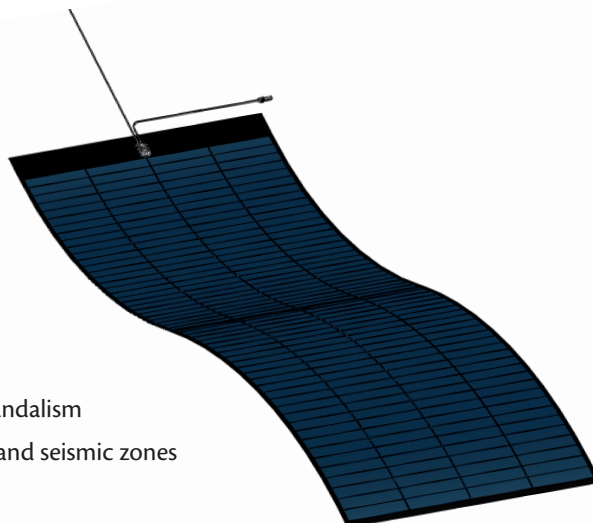
# TECHNICAL INFORMATION

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-03W 2.6m
Length	2583 mm (101.8 in)
Width	1292 mm (50.9 in)
Module Thickness	2.5 mm (0.1 in)
Weight	6.6 kg (14.6 lb) with adhesive
Weight/Area	2.0 kg/m <sup>2</sup> (0.4 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, IEC 61730, cUL 1703, IEC 62716, IEC 61701 (Salt Spray), For Roofing Systems as the external fire exposure per UL file E483778 for Class A, B or C
Packaging Info	5 modules per crate, 40 modules per pallet, 320 modules per 20' ISO container, 640 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

FLEXIBLE  
FORM

IDEAL FOR  
LANDFILL COVERS



## FLEX-03W 2.6m

FLEX-03 490W	490 WATTS
FLEX-03 500W	500 WATTS
FLEX-03 510W	510 WATTS
FLEX-03 520W	520 WATTS
FLEX-03 530W	530 WATTS

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MiaSolé Approved for Public Release.

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