



*Bringing a new green aspect to metal roofing.*

## FACTORY INSTALLED SOLAR PANELS

### MiaSolé FLEX SERIES

#### CERTIFIED INSTALLATION:

- Pre-installed panels are consistently straight and centered
- Installed in a controlled environment to reduce contaminants - dust, dirt, moisture, etc.
- No longer will contractors have to field apply and install solar panels

#### KEY FEATURES:

- Record efficiency levels in a CIGS flexible form factor with greater than 16% cell efficiency
- Low installed weight at less than <math><0.6\text{lb/sq ft}</math>
- No penetrations, ballast or racking required
- Ideal for high wind load and high seismic hazard areas
- Bypass diode every two cells reduces PV system shading losses
- Directly bonds to metal roofing panels

#### RELIABILITY AND SAFETY:

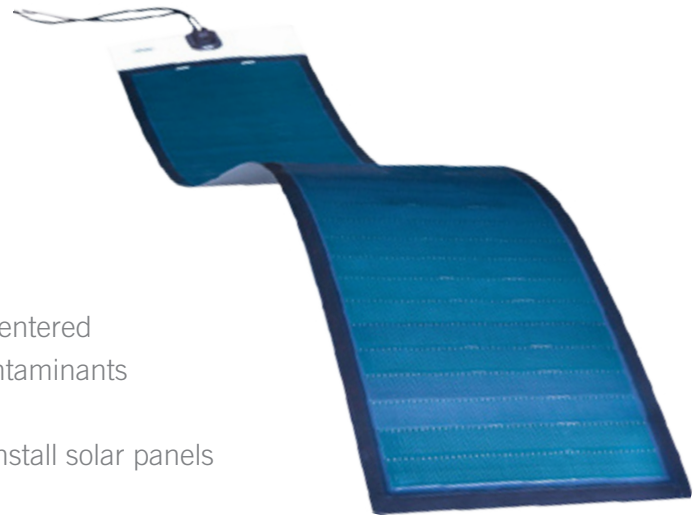
- IEC 61646 & IEC 61730
- UL 1703

#### ROOFING APPLICATIONS:

- ThinSeam
- Slim Seam<sup>®</sup>
- 1" Snap On Seam
- 2" PowerSeam<sup>®</sup>

#### WARRANTY:

- 5 year workmanship
- 10/25 year warranty against power loss



## FLEX-02 SERIES CIGS MODULE

### ELECTRICAL PERFORMANCE AT STC<sup>1</sup>

			FLEX-02NS SERIES	FLEX-02N SERIES	FLEX-02NL SERIES
Nominal Power	$P_{t_{MPP}}$	W	65 - 85	115 - 130	265 - 305
Aperture Efficiency	$\eta$	%	13.2% - 17.3%	15% - 17%	14.7% - 16.9%
Power Output Tolerance		W	+5/-0	+5/-0	+10/-0
Maximum Power Voltage	$V_{MPP}$	V	17.7 - 20.8	30.5 - 32.5	69.0 - 75.3
Maximum Power Current	$I_{MPP}$	A	3.67 - 4.09	3.83 - 4.00	3.84 - 4.05
Open Circuit Voltage	$V_{OC}$	V	23.2 - 25.3	38.6 - 40.1	87.9 - 92.1
Short Circuit Current	$I_{SC}$	A	4.47 - 4.58	4.33 - 4.35	4.51 - 4.57
Maximum Series Fuse Rating		A	10		
Maximum System Voltage	(IEC/UL)	V	1000/600		

<sup>1</sup>Standard Test Conditions (STC): 1000 W/m<sup>2</sup>, 25°C cell temperature, AM 1.5 spectrum

