

# MiaSolé FLEX SERIES -01N

## CIGS Flexible Modules: High Power Density in a Flexible Form Factor

### KEY FEATURES

- ▶ Record efficiency levels in a flexible form factor
- ▶ Low installed weight at less than 2.7kg/m<sup>2</sup>
- ▶ No Penetrations, ballast or racking required
- ▶ Applicable for high wind load areas
- ▶ Laminate does not require module grounding
- ▶ Bypass diodes reduce PV system shading losses

### RELIABILITY AND SAFETY

- ▶ IEC 61646 & IEC 61730
- ▶ UL 1703

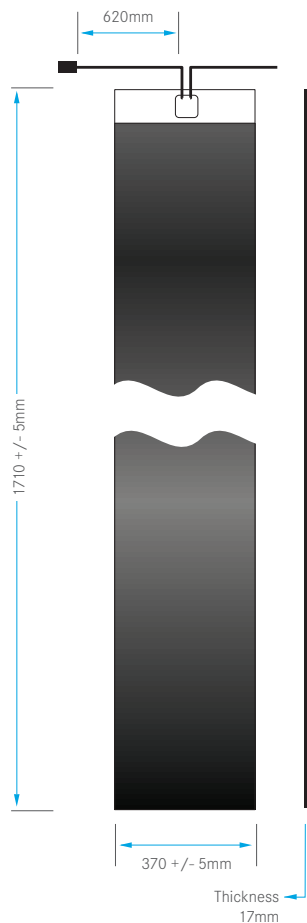
### WARRANTY

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



# MiaSolé FLEX SERIES

## FLEX-01N SERIES CIGS MODULE



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

			FLEX-01 60N	FLEX-01 65N	FLEX-01 70N	FLEX-01 75N
Nominal Power	$P_{MPP}$	[W]	60	65	70	75
Power Output Tolerance		[W]	+5/-0	+5/-0	+5/-0	+5/-0
Maximum Power Voltage	$V_{MPP}$	[V]	21.6	21.7	22.3	22.8
Maximum Power Current	$I_{MPP}$	[A]	2.93	3.17	3.25	3.32
Open Circuit Voltage	$V_{OC}$	[V]	27.1	27.6	27.9	28.3
Short Circuit Current	$I_{SC}$	[A]	3.62	3.70	3.70	3.73
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

### THERMAL CHARACTERISTICS

Temperature Coefficient of $P_{MPP}$	[%/°C]	-0.45
Temperature Coefficient of $V_{OC}$	[%/°C]	-0.36
Temperature Coefficient of $I_{SC}$	[%/°C]	-0.003

### PHYSICAL AND MECHANICAL SPECIFICATIONS

Length	1710 mm (67.43 in)
Width	370 mm (14.6 in)
Thickness, Maximum at J-Box*	17 mm (0.7 in)
Weight (Module without adhesive)	1.7 kg (3.7 lb)
Weight/Area (Module without adhesive)	2.69 kg/m <sup>2</sup> (0.54 lb/ft <sup>2</sup> )
Junction Box Type	IP68
Cable Connections	MC4 Compatible
Cell Type	Copper Indium Gallium Diselenide (CIGS)
Warranty**	5 year workmanship; 5/10/25 year power output
Certifications	UL 1703, IEC 61646, IEC 61730 (Application Class A)

\*2.5 mm (0.1 in) for the rest of the module without adhesive

\*\*Please see full warranty for details



2590 Walsh Avenue, Santa Clara, California 95051, USA  
1.408.919.5700 sales@miasole.com www.miasole.com  
Made in Silicon Valley, USA

MiaSolé and the MiaSolé logo are registered trademarks.  
© Nov 2013 MiaSolé. All rights reserved. Specifications included in this datasheet are subject to change without notice.  
MiaSolé Approved for Public Release. 302-174892-00 Rev 1