

MiaSolé FLEX SERIES—03M

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

KEY FEATURES

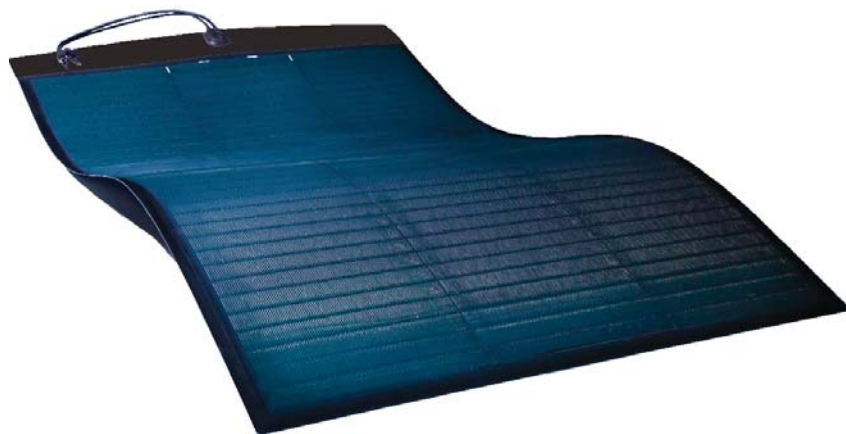
- ▶ Record efficiency levels in a flexible form factor
- ▶ Low installed weight at less than 2.0 kg/m² (<0.5 lb/ft²)
- ▶ No penetrations, ballast or racking required
- ▶ Applicable for high wind load and high seismic hazard areas
- ▶ Bypass diodes reduce PV system shading losses
- ▶ Directly bonds to many approved surfaces

RELIABILITY AND SAFETY

- ▶ IEC 61646, IEC 61730, IEC 62716, IEC 61701 (Salt Spray)
- ▶ UL 1703, cUL 1703
- ▶ Class A, B, or C per UL E320778 and E483778

WARRANTY

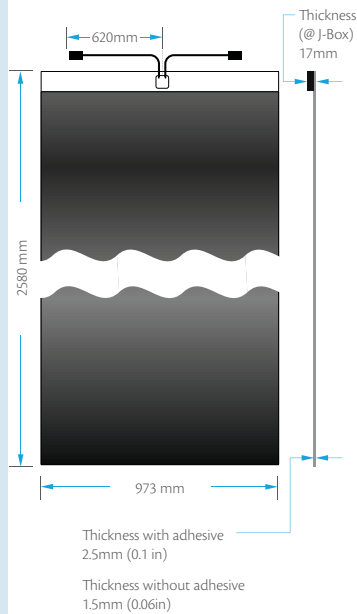
- ▶ 5 year workmanship
- ▶ 10/25 year warranty against power loss



MiaSolé FLEX SERIES

FLEX-03M SERIES CIGS MODULE

ELECTRICAL PERFORMANCE AT STC¹



			FLEX-03 350M	FLEX-03 360M	FLEX-03 370M	FLEX-03 380M	FLEX-03 390M
Nominal Power	P_{MPP}	[W]	350	360	370	380	390
Aperture Efficiency	η	[%]	15.3%	15.7%	16.1%	16.6%	17.0%
Power Output Tolerance		[W]	+10/-0	+10/-0	+10/-0	+10/-0	+10/-0
Maximum Power Voltage	V_{MPP}	[V]	29.2	29.5	29.9	30.2	30.5
Maximum Power Current	I_{MPP}	[A]	12.00	12.20	12.39	12.59	12.78
Open Circuit Voltage	V_{OC}	[V]	36.9	37.1	37.3	37.5	37.7
Short Circuit Current	I_{SC}	[A]	14.10	14.10	14.10	14.10	14.10
Maximum Series Fuse Rating		[A]	25				
Maximum System Voltage (IEC/UL)		[V]	1000/1000				

¹Standard Test Conditions (STC): 1000 W/m², 25°C cell temperature, AM 1.5 spectrum

THERMAL CHARACTERISTICS

NOCT	[°C]	48
Temperature Coefficient of P_{MPP}	[%/°C]	-0.38
Temperature Coefficient of V_{OC}	[%/°C]	-0.28
Temperature Coefficient of I_{SC}	[%/°C]	0.008

PHYSICAL AND MECHANICAL SPECIFICATIONS

Length	2580 mm (101.6 in)
Width	973 mm (38.3 in)
Thickness, Maximum at J-Box*, Module	17 mm (0.7 in), 2.5 mm (0.1 in)
Weight (Module without adhesive)	5.1 kg (11.1 lb)
Weight (Module with adhesive)	6.2 kg (13.7 lb)
Weight/Area (Module without adhesive)	1.7 kg/m ² (0.3 lb/ft ²)
Weight/Area (Module with adhesive)	2.0 kg/m ² (0.4 lb/ft ²)
Junction Box Type	IP68
Cable Connections	Amphenol Technology Shenzhen (E346053)
Cell Type	Copper Indium Gallium Diselenide (CIGS)
Warranty**	5 year workmanship; 10/25 year power output
Certifications	UL 1703, IEC 61646, IEC 61730, Class A, B, or C per UL E320778 and E483778 Roofing Systems, cUL 1703, IEC 62716, IEC 61701 (Salt Spray)

*2.5 mm (0.1 in) for the rest of the module with adhesive

**1.6 mm (0.06 in) for the rest of module without adhesive

**Please see full warranty for details

Made in the USA and China



2590 Walsh Avenue, Santa Clara, California 95051, USA
1.408.919.5700 info@miasole.com www.miasole.com

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