

MiaSolé FLEX SERIES—03M 2.6 METER

1m x 2.6m
360 – 410W

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

KEY FEATURES

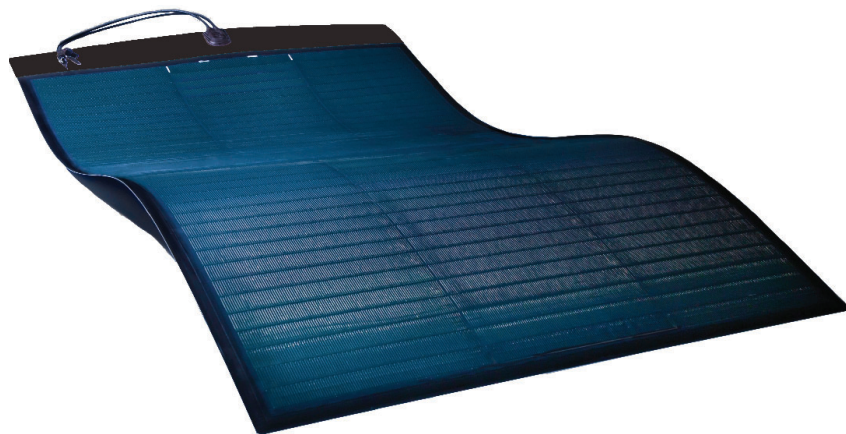
- ▶ Record efficiency levels in a flexible form factor
- ▶ Low installed weight at less than 2.1 kg/m² (<0.5 lb/ft²)
- ▶ No penetrations, ballast or racking required
- ▶ Applicable for high wind load and high seismic hazard areas
- ▶ Bypass diodes reduce PV system shading losses
- ▶ Directly bonds to 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 2.6 METER SERIES CIGS MODULE

ELECTRICAL PERFORMANCE AT STC¹

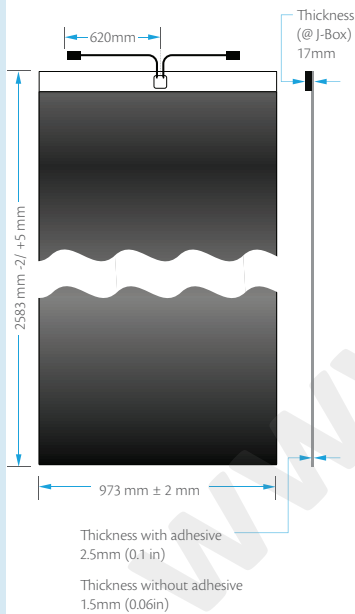
			FLEX-03 340M	FLEX-03 350M	FLEX-03 360M	FLEX-03 370M	FLEX-03 380M	FLEX-03 390M	FLEX-03 400M	FLEX-03 410M	FLEX-03 420M
Nominal Power	P_{MPP}	[W]	340	350	360	370	380	390	400	410	420
Aperature Efficiency	η	[%]	14.8%	15.3%	15.7%	16.1%	16.6%	17.0%	17.4%	17.9%	18.3%
Power Output Tolerance		[W]	+10/-0	+10/-0	+10/-0	+10/-0	+10/-0	+10/-0	+10/-0	+10/-0	+10/-0
Maximum Power Voltage	V_{MPP}	[V]	29.0	29.7	30.3	30.9	31.5	32.1	32.7	33.3	33.9
Maximum Power Current	I_{MPP}	[A]	11.76	11.84	11.92	12.00	12.09	12.17	12.25	12.33	12.41
Open Circuit Voltage	V_{OC}	[V]	36.8	37.3	37.8	38.3	38.8	39.4	39.9	40.4	40.9
Short Circuit Current	I_{SC}	[A]	13.89	13.81	13.73	13.64	13.56	13.47	13.39	13.31	13.22
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	2583 mm (101.7 in, 8ft 5.7in)
Width	973 mm (38.3 in, 3ft 2.3in)
Thickness, Maximum at J-Box*, Module	17 mm (0.7 in), 2.5 mm (0.1 in)
Weight (Module without adhesive)	4.3 kg (9.5 lb)
Weight (Module with adhesive)	5.3 kg (11.7 lb)
Weight/Area (Module without adhesive)	1.7 kg/m ² (0.3 lb/ft ²)
Weight/Area (Module with adhesive)	2.1 kg/m ² (0.4 lb/ft ²)
Junction Box Type	IP68
Cable Connections	Helios H4 (S&F)
Cell Type	Copper Indium Gallium Diselenide (CIGS)
Warranty**	5 year workmanship; 10/25 year power output
Certifications	UL 1703, IEC 61646, IEC 61730, For Roofing Systems as the external fire exposure per UL file E483778 for Class A, B or C, cUL 1703, IEC 62716, IEC 61701 (Salt Spray)
Packaging Info	5 modules per crate, 20 modules per pallet, 400 modules per 20' ISO container, 880 modules per 40' ISO container

*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



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Part Number 302-200797-00_A