

# MiaSolé FLEX SERIES -02W

## 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 2.9kg/m<sup>2</sup> (<0.6lb/sq ft)
- ▶ 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
- ▶ UL 1703

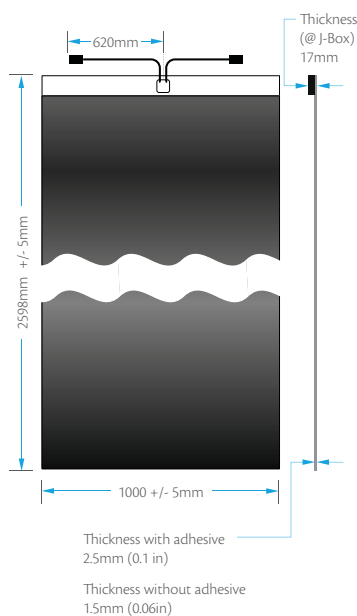
### WARRANTY

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



# MiaSolé FLEX SERIES

## FLEX-02W SERIES CIGS MODULE



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

			FLEX-02 340W	FLEX-02 350W	FLEX-02 360W	FLEX-02 370W
Nominal Power	$P_{MPP}$	[W]	340	350	360	370
Aperature Efficiency	$\eta$	[%]	14.8%	15.3%	15.7%	16.1%
Power Output Tolerance		[W]	+10/-0	+10/-0	+10/-0	+10/-0
Maximum Power Voltage	$V_{MPP}$	[V]	30.5	31.0	31.6	32.2
Maximum Power Current	$I_{MPP}$	[A]	11.23	11.33	11.43	11.52
Open Circuit Voltage	$V_{OC}$	[V]	38.3	38.8	39.3	39.8
Short Circuit Current	$I_{SC}$	[A]	12.97	12.99	13.02	13.04
Maximum Series Fuse Rating		[A]	25			
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

NOCT	[°C]	48
Temperature Coefficient of $P_{MPP}$	[%/°C]	-0.40
Temperature Coefficient of $V_{OC}$	[%/°C]	-0.36
Temperature Coefficient of $I_{SC}$	[%/°C]	0.003

### PHYSICAL AND MECHANICAL SPECIFICATIONS

Length	2598 mm (102.3 in)
Width	1000 mm (39.4 in)
Thickness, Maximum at J-Box*, Module	17 mm (0.7 in), 2.5mm (.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)	2.0 kg/m <sup>2</sup> (0.4lb/ft <sup>2</sup> )
Weight/Area (Module with adhesive)	2.4 kg/m <sup>2</sup> (0.5lb/ft <sup>2</sup> )
Junction Box Type	IP68
Cable Connections	Amphenol H <sub>4</sub>
Cell Type	Copper Indium Gallium Diselenide (CIGS)
Warranty**	5 year workmanship; 10/25 year power output
Certifications	UL 1703, IEC 61646, IEC 61730

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

\*\*1.5 mm (0.06 in) for the rest of module without adhesive

\*\*Please see full warranty for details



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