

FLEX SERIES-M

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

KEY FEATURES

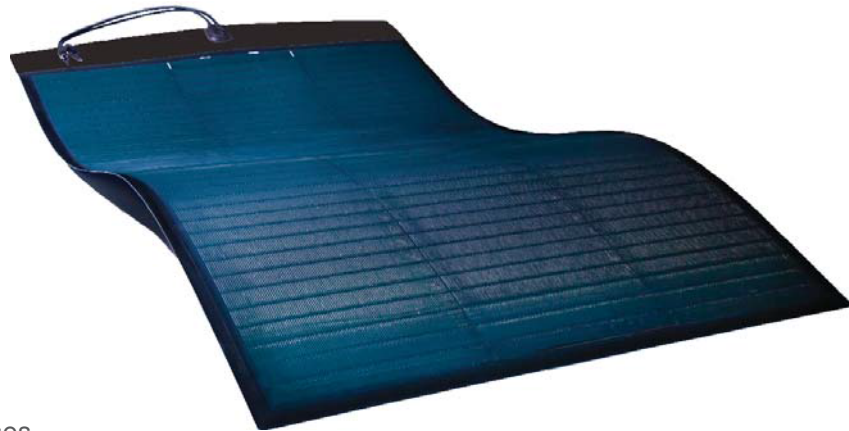
- ▶ Record efficiency Levels in a flexible form factor
- ▶ Low installed weight at less than 2.0 kg/m^2 ($<0.5 \text{ lb/ft}^2$)
- ▶ No penetrations, ballast or racking required
- ▶ Applicable for high wind load and high seismic hazard areas
- ▶ Bypass diodes reduce PV system shading losses
- ▶ Directly 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

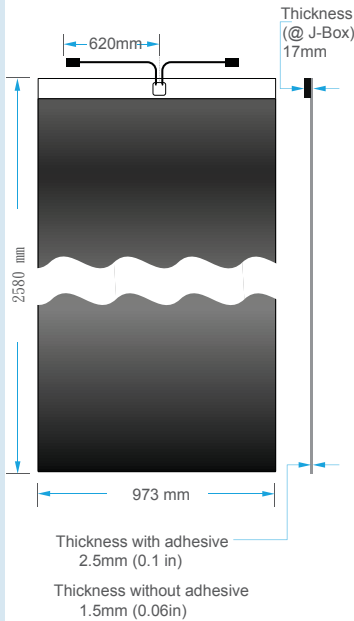
- ▶ 5 year workmanship



FLEX SERIES-M

M SERIES CIGS MODULE

ELECTRICAL PERFORMANCE AT STC



		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
Aperature E	[%]	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, 8ft 5.6in)
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)	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
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

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