For a Free Quote:

Web: EnergyPal.com/solar

Call: 1-800-990-3725

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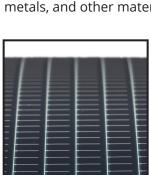
Solar Panel Guide Specification Data Sheet

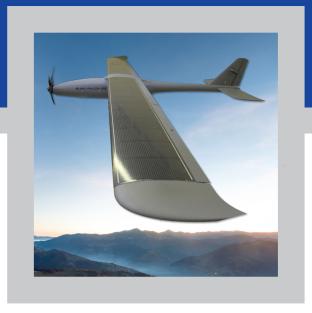
Ascent Solar Technologies Inc.
Solar Bare Modules - Mid-Scale
B-046-430-200

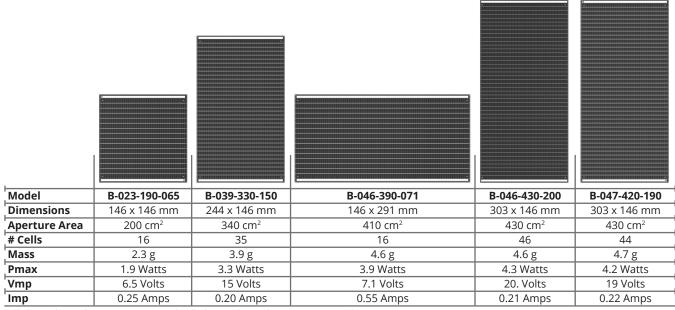
Ascent SOLAR

BARE MODULES MID-SCALE GROUP

These medium-sized modules start at 1.9 Watts of power and have the capability to power items like personal electronics, cameras, and lights. Combined, these thin and lightweight modules are also ideal for fixed-wing drones. They even seamlessly integrate into plastics, fabrics, metals, and other materials.







All physical specifications are nominal. All electrical specifications are typical.



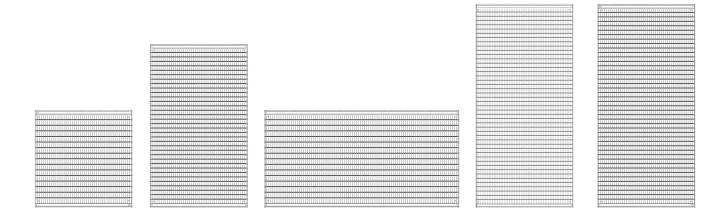


BARE MODULE CHARACTERISTICS		
Operating Temperature Range	-140°C to 125°C	
Excursion Temperature Range	-196°C to 250°C (atmosphere dependent, non-oxidizing)	
Storage Temperature Range	20°C to 30°C (dry and inert)	
Allowable Radius of Curvature	30 mm (installation around this small radius is discouraged as the resultant shading will severely degrade the electrical performance)	
Nominal Module Thickness at the Device	0.052 mm	
Nominal Module Thickness at the Printed Bus	0.080 mm	

These values are representative of the bare modules only. Any coatings, applied materials or packaging may affect these values. All physical specifications are nominal. All electrical specifications are minimum typical.

TEMPERATURE COEFFICIENTS

Power	- 0.47%/°C	
Vmp	- 0.43%/°C	
lmp	- 0.06%/°C	







Contact your sales representative for more details.



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Ascent Solar Technologies, Inc. is a developer of thin-film photovoltaic modules using flexible substrate materials that are more versatile and rugged than traditional solar panels. Ascent Solar modules were named as one of the top 100 technologies in both 2010 and 2015 by R&D Magazine, and one of TIME Magazine's 50 best inventions for 2011. The technology described above represents the cutting edge of flexible power and can be directly integrated into consumer products and off-grid applications, as well as other aerospace applications.

Sales@AscentSolar.com

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