

Ascent WS50 SOLAR BLANKET

EXTREME CIGS

MODEL 800100

The Ascent WS™50 Solar Blanket is a lightweight and flexible solar module built for integration in the most demanding environments. Its 50W power output will satisfy a large variety of your charging needs while seamlessly integrating into your solutions.



BASIC SPECS

Power	50 Watts
Weight	1.56 kg (3.44 lbs)
Dimensions	2195 x 330 mm (±5 mm)
PV Thickness	2 mm (±1.5 mm)
PV + Junction Box Thickness	13.5 mm (±2.5 mm)
Connectors	MC4
Cable Length	420 mm
Vmp	16.7 Volts
Imp	3.00 Amps
Voc	24.0 Volts
Isc	3.50 Amps

*STC: 1000 W/m², 25°C module temperature, AM 1.5 spectrum; power and electrical tolerance not to exceed ±10%

- + Lightweight, flexible, and rugged construction with award-winning solar technology
- + Ideal for OEM and off-grid integration to provide clean and continuous power
- + Ascent Solar can provide engineering services and assistance for electrical interface systems and custom PV integration design
- + Monolithic integration allows current to flow around any damage for uninterrupted power generation

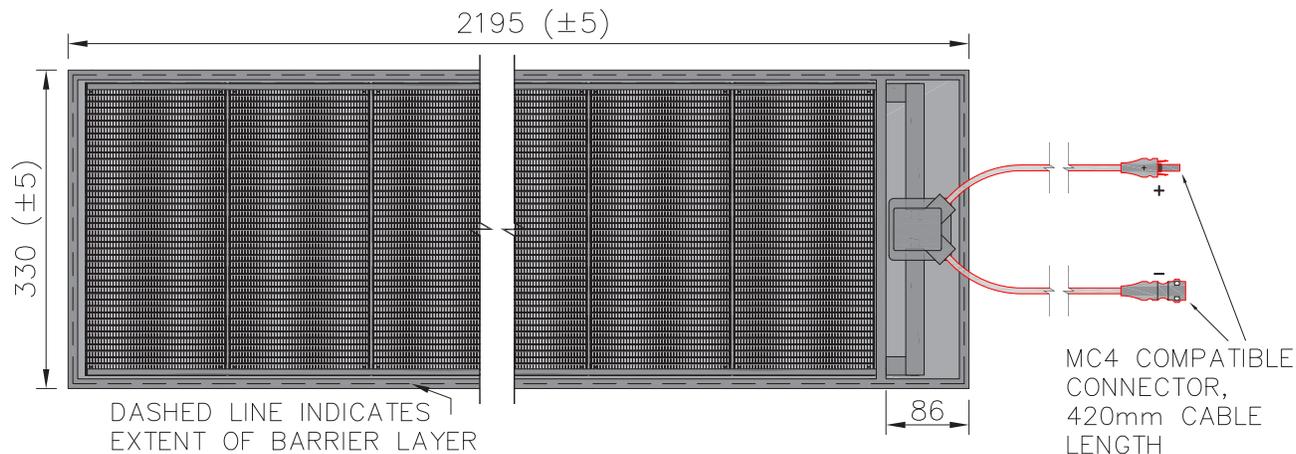
CE



DURABLE | PORTABLE | FLEXIBLE | LIGHTWEIGHT

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TEMPERATURE COEFFICIENTS

Power	- 0.47%/°C (±10%)
Vmp	- 0.43%/°C (±10%)
Imp	- 0.06%/°C (±10%)
Voc	- 0.33%/°C (±10%)
Isc	+ 0.03%/°C (±10%)

EXTREME

DURABLE FLEXIBLE
 LIGHTWEIGHT PORTABLE

BUILT WITH AWARD-WINNING
CIGS
 PHOTOVOLTAIC TECHNOLOGY

Extreme CIGS Technology incorporates monolithic integration on a flexible polyimide substrate with our most durable construction.

5 year warranty included with this Ascent Solar product. 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.



ISO 9001:2015 certified
 Stock Ticker: ASTI

*This document contains preliminary specifications. Contact Ascent Solar for most recent information. Updated Sep 1, 2017.