G085 SOLAR PANEL

85 W EFFICIENT, RELIABLE, AND DURABLE



BENEFITS

High Efficiency
Exception panel efficiency at 12.42%

Reliable and Durable Design
High packing density and white back sheet allow for improved module efficiency.

Quality Ensured
Each module is tested to ensure field performance meets or exceeds the specifications.

FEATURES

- High Power for residential & commercial systems
- Power Tolerance ±10%
- Limited Warranty: 25 years
- CEC Registration pending
- UL pending



The GreenCity AAC G085 Solar Panel provides an efficient, reliable, and durable alternative solution for energy saving 85 watts of solar power. This panel utilizes 72 solar cells and a white back sheet, to deliver a total panel efficiency of 12.42%.

The contents of this specification may change without notice. 11/16/07

G085

188 Technology Drive, Unit H, Irvine, CA 92618
Tel: 949-453-9888 Fax: 949-453-8889
www.aacix.com

CE RoHS ISO9001-2000 UL

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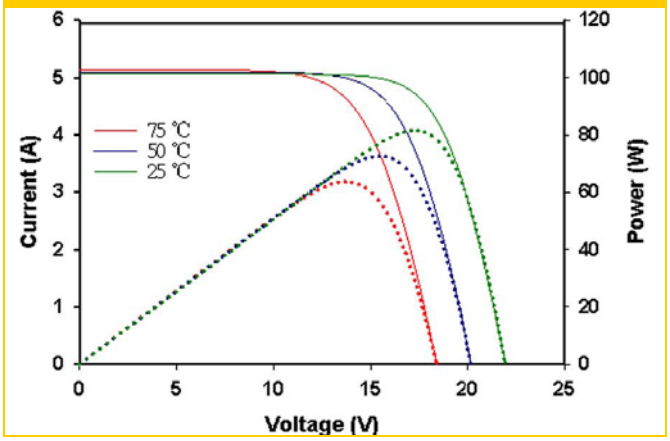
GreenCity AAC®

Electrical Specification Measured at Standard Test Conditions (STC): irradiance of 1000/m² and 25°C cell temperature		
Peak Power	Pmax	85 W
Maximum Power Voltage	Vmp	18.36 V
Rated Current	Imp	4.7 A
Open Circuit Voltage	Voc	22.0 V
Short Circuit Voltage	Isc	5.17 A
Min Bypass Diode Current		10 A
Max Series Fuse		15 A
Maximum System Voltage	IEC 61215	100 V

Mechanical Specification	
Solar Cells	36 all back contact monocrystaline (4x9 matrix)
Front Glass	3.2mm (1/8") tempered
Back	Tedlar with EVA Encapsulation
Junction Box	U-version with 4-6 terminal connection block
Output Cable	900mm length / MultiContact connectors
Diodes	3 bypass diodes rated at 10A, 10V
Frame	Anodized Aluminum Alloy type 6063T6
Frame Color	Silver (others available)
Weight	17 kg, 37.5 lbs

Tested Operating Condition	
Temperature	-40°C to 85°C (-40°F to 185°F)
Max Static Load	50 psf (2400 pascals) front and back
Front Loading	5400 pascals
Damp Heat	85% RH
Impact Resistance	Hail –25 mm (1 in.) at 23 m/s (52 mph)

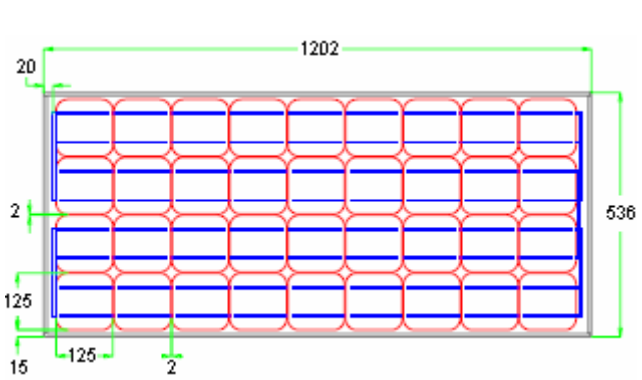
IV Curve

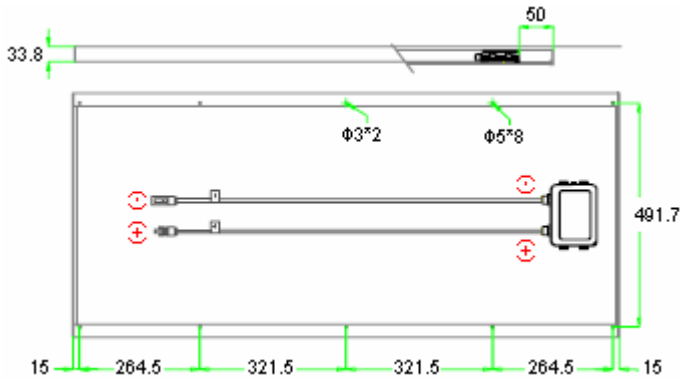


Warranty and Certifications	
Warranty	25 year limited power warranty
Certifications	UL Listed 1703 (pending); IEC 61215

CAUTION: READ SAFETY & INSTALLATION INSTRUCTIONS PRIOR TO USE. Go to ww.aacix.com for details

Dimensions (mm)





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