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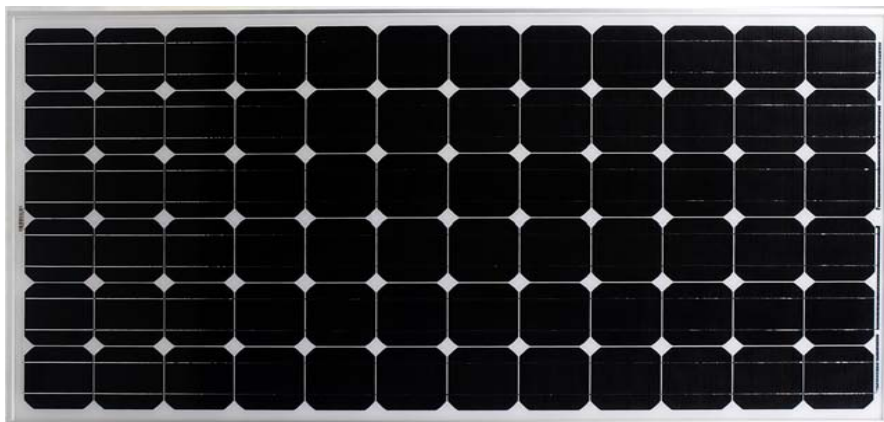
Email: **contact@energypal.com**



Solar Panel Guide

Specification Data Sheet

Learn more at energypal.com/best-solar-panels-for-homes



CERTIFICATION:

- ISO 9001
- Testing Standards UL1703



FEATURES:

- ❑High power module using 5" Single crystalline solar cell.
- ❑72 solar cells and connection in series.
- ❑Using optical low iron tempered glass, EVA resin, module for outdoor use and grid tie.

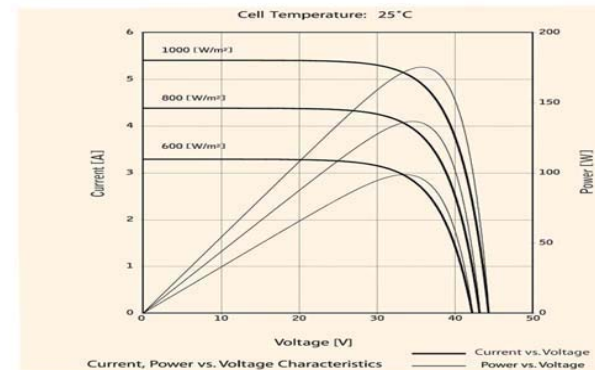
ATI high efficiency module size is easy to handle and specifically designed for large and small scale grid interactive applications.

ATI 's module uses state of the art multicrystalline technology with a Silicon Nitride (SiN) coating that enhances cell efficiency. Encapsulation beneath high transmission tempered glass is accomplished using an advanced, UV resistant thermal setting plastic. The encapsulant, ethylene vinyl acetate, cushions the solar cells within the laminate and protect the cells from etching. The rear surface of the module is completely sealed from moisture and mechanical damage by a continuous high strength polymer sheet.

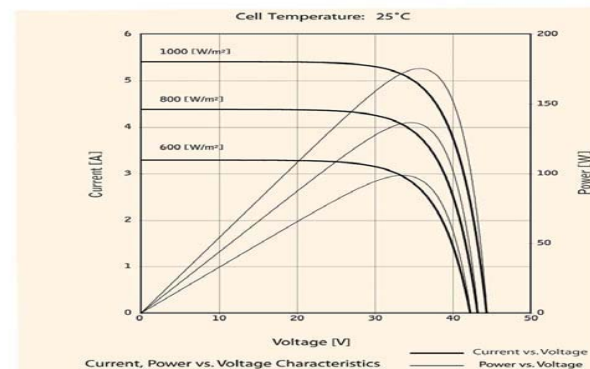
ATI 's module incorporates a reinforced anodised aluminium frame, designed to meet ATI's High Quality Standards for corrosion resistance.

- Limited warranty : 25 years

Specification						
Type Of Module	ATI-170 Series					
Maximum Power (TOL±3%)	190W	185W	180W	175W	170W	165W
Maximum Power Voltage	36.86V	36.79V	36.72V	36.63V	36.43V	36.14V
Maximum Power Current	5.15A	5.03A	4.90A	4.78A	4.67A	4.57A
Open circuit Voltage	44.21V	44.14V	44.06V	43.99V	43.92V	43.78V
Short circuit Current	5.49A	5.43A	5.31A	5.17A	5.06A	4.96A
Module Efficiency	14.61%	14.23%	13.84%	13.46%	13.07%	12.69%
No. and Type of Cell	72 pcs Single-crystalline solar cells ; 125x125mm					
Maximum System Voltage	UL1730:600VDC & IEC61215:1000VDC					
Junction Box	IP 65 with 3 bypass diodes ; cables Ø4mm					
Series Fuse Rating	10A					
Operating Temperature	-40°C to +85°C					
Mechanical Ratings	2400 Pa					
Dimensions	825x1576x50(32.48"x62.04"x1.96")					
Weight	18kg(40.50lbs)					
STC : Irradiance level 1000 W/m ² ; Spectral AM 1.5 ; Cell temperature 25°C 10 years power 90% output warranty 25 years power 80% output warranty	NOCT. 47±2°C Product guarantee of 5 years	Temperature coefficient of Isc		0.04%/°C		
		Temperature coefficient of Voc		-0.33%/°C		
		Temperature coefficient of Pmax		-0.37%/°C		



Temperature coefficient of Isc: 3.25mA/
 Temperature coefficient of Voc: -30.94mV/
 Power temperature coefficient: -0.55%/°C



Specifications are subject to change without notice.

Standard Test Conditions : 25°C, 1KW/m², AM1.5

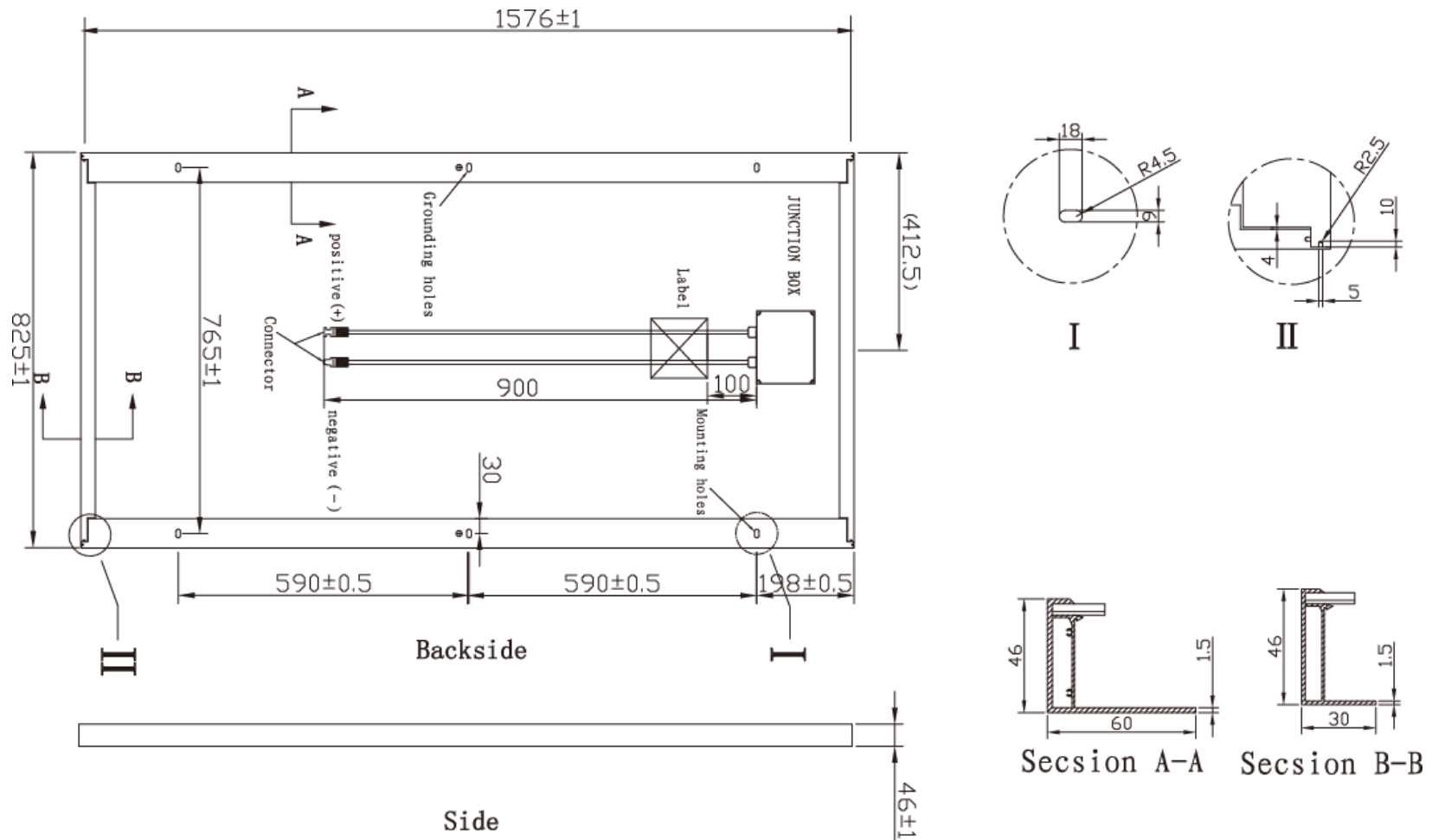
Pacific Test Conditions : 20°C, 1KW/m², AM1.5 1m/s wind Speed

• Limited warranty : 25 years

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