

API-M 72 CELL BI-FACIAL SERIES

360 – 380 WATT

72 CELL BI-FACIAL MONO-CRYSTALLINE PV MODULES



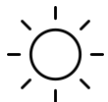
Proudly Manufactured in the USA



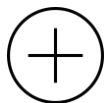
Higher system performance with bi-facial technology



Industry Leading High Efficiency Modules up to 19.3%



**Industry Leading PTC Rating
UL 1703 Type Designation 3**



Modules Shipped with Positive Tolerance



Junction box optimized for bi-facial performance



**30 Year Linear Performance Warranty
10 Year Workmanship Warranty
3rd Party Reliability Testing**



**Frameless modules with
Anti-reflective coating on glass**

Front (Sunny)



Back (Ambient)



- ✓ **Generate power on front and back**
- ✓ **Increase low-light performance**
- ✓ **Increase system performance**



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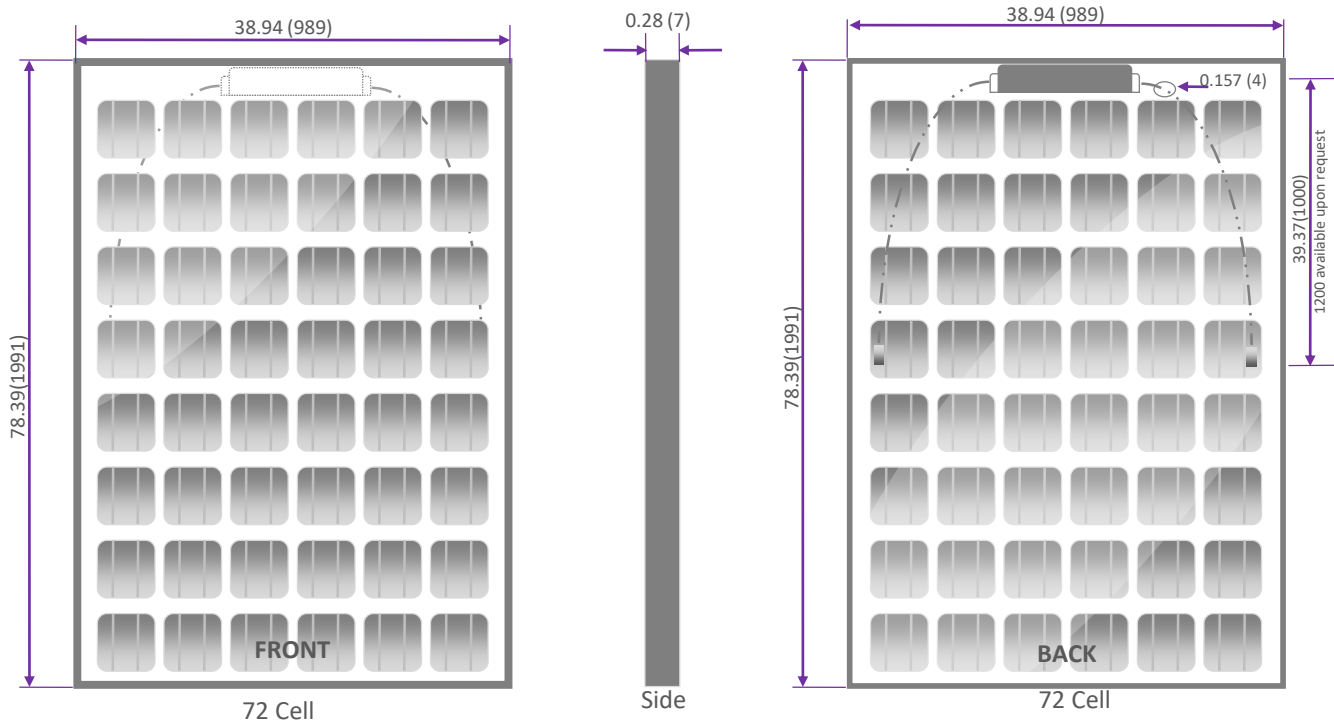


Specifications subject to change without notice.

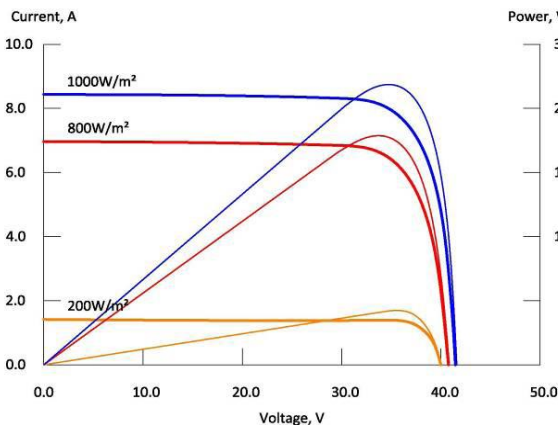
API-M 72 CELL BI-FACIAL SERIES

APIxxx	Front side performance					Bi-Facial performance (30% irradiance on reverse side)				
	360	365	370	375	380	438	444	450	456	462
Maximum Power (+3%)	360	365	370	375	380	438	444	450	456	462
Voc (V)	47.56	47.66	47.75	47.85	47.94	47.56	47.66	47.75	47.85	47.94
Isc (A)	9.99	10.08	10.17	10.26	10.35	12.06	12.16	12.27	12.38	12.49
Vmp (V)	38.63	38.71	38.78	38.86	38.94	39.40	39.48	39.56	39.64	39.72
Imp (A)	9.32	9.43	9.54	9.65	9.76	11.11	11.24	11.37	11.50	11.63
Module Efficiency (%)	18.3%	18.5%	18.8%	19.0%	19.3%	22.2%	22.5%	22.9%	23.2%	23.5%
Series Fuse Rating	20A					Bi-Facial modules produce power on both front and back.				
Junction Box Protection	IP65/IP67					Nominal bi-facial module gain coefficient can run from 10% to 30%, depending on the installation and the amount of indirect irradiance.				
Maximum System Voltage	VDC1000					It is recommended to design the electrical circuits with safety factor that accounts for the additional power in order to protect electrical hardware.				
Operating Temperature	-40°C to 85°C									
Number of Cells	72 (6" Bi-Facial Mono)									
Connector Type	MC4/Tyco compatible - based on customer request									
Fire Rating	UL1703 Type Designation 3									

Electrical measurements at STC. Electrical parameter tolerance +/-10%



Units provided as: inches (mm)



Legend: — Current & Voltage — Power & Voltage

Mechanical Characteristics	
Frame	Frameless
Dimension (L x W x D)	78.39" x 38.94" x 0.28" / 1991mm x 989mm x 7mm
Weight/pc	33.5kg/74lbs
Pallet	40 pcs
Loading/container	360pcs/40'; 520pcs/53'
Maximum wind load	5400Pa (snow)/3600Pa (wind) with 4-point mount

Temperature Coefficients		Standard Test Conditions (STC)	
NOCT	43.78°C	Irradiance	1000W/m ²
Short circuit current	+0.044%/C	Module Temperature	25 °C
Open circuit voltage	-0.277%/C	AM	1.5
Max power output	-0.376%/C		

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