

Maxima GxB 390 Bifacial Module

A Trusted Quality Brand in Solar



High Performance

Bifacial technology generates power from both the front and back faces of the module, resulting in up to 20% higher energy harvest (kWh). Our HCT cells packaged in frameless double glass modules yield higher power and do not suffer from light-induced degradation (LID) or potential induced degradation (PID).



Robust Quality & Reliability

Double glass modules designed for durability. Certified to international certification body standards: IEC, UL, and CEC listed. Manufactured according to the International Quality Management System ISO9001.



Extreme Climate Performance

As temperatures rise, our patented Hybrid Cell Technology produces more power [kW] than conventional crystalline silicon solar panels at the same elevated temperature.



Guaranteed Performance

All modules have a 15 year product warranty and 30 year power output warranty.



Superior Aesthetics

Thin profile double-glass construction provides superior aesthetics that are a perfect complement to roofs, carports, and canopies.

About Sunpreme

Sunpreme is an innovative solar PV module manufacturer headquartered in Sunnyvale, California with manufacturing facilities in the United States and China. We provide high quality, reliable and aesthetically superior modules to residential, commercial, and utility customers globally. Sunpreme solar systems are delivering clean energy on 5 continents.

Sunpreme solar panels are designed and engineered in Silicon Valley, CA, USA.

Hybrid Cell Technology

Sunpreme modules use our patented Hybrid Cell Technology platform that utilize enabling thin-film materials on surface engineered Silicon substrate to achieve high-efficiency power output and reliable energy production for increased project returns.

Unlike conventional crystalline silicon cell technologies, Sunpreme uses highly scalable process to deliver high output solar power at very competitive Levelized Cost of Energy (LCOE).



Front View

Back View

High Efficiency

20.1% Module Efficiency (STC)

22.1% Module Efficiency with 10% Backside Power Boost

24.1% Module Efficiency with 20% Backside Power Boost

Bifacial Energy Boost

Harvests sun from the backside to increase power output up to 20%

Double-Glass Frameless Design

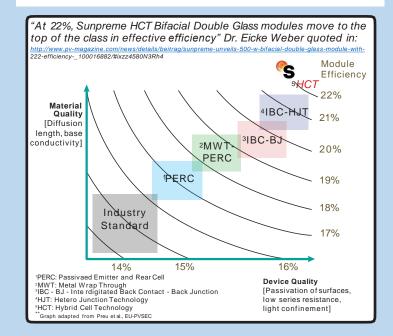
Sunpreme Design is more robust, and does not require module grounding

15 YEAR

PRODUCT WARRANTY

30 YEAR

POWER WARRANTY



Toll Free: +1.866.245.1110



Maxima GxB 390 Bifacial Solar Module

High Performance 72-cell Thin-Film enabled SolarModule

ELECTRICAL SPECIFICATIONS			
STC rated output P _{mpp} (W)	370	380	390
Cell Efficiency	21.6%	21.8%	22.0%
Module Efficiency	19.1%	19.6%	20.1%
Standard sorted output	-3%/5%	-3%/5%	-3%/5%
Open Circuit Voltage Voc (V)	52.6	52.8	53.0
Short circuit current I _{sc} (A)	9.30	9.34	9.38
Rated Voltage V _{mpp} (V)	42.6	43.2	43.9
Rated Current I _{mpp} (A)	8.7	8.8	8.9

BIFACIAL OUTPUT*				
With 10% Backside PowerBoost				
Power Output (W)	407	418	429	
Module Efficiency	21.0%	21.6%	22.1%	
With 20% Backside PowerBoost				
Power Output (W)	444	456	468	
Module Efficiency	22.9%	23.5%	24.1%	
*Backside boost for flush mount configuration is ≤5%, resulting in I _{sc} ≤ 9.56-9.77A				

1: Standard Test Conditions for front-face of panel: 1000 W/m², 25°C

TEST OPERATING CONDITIONS -40 to 85°C **Operating Temperature** Storage Temperature -40 to 85°C 20 A Maximum Series Fuse Maximum System Voltage 1,000 VDC (UL & IEC Power/Sq. Ft. w/ 20% backside power boost 22.4 W/Sq. Foot 5,400 PA (snow load) Maximum load capacity 185 mph/300 km/h wind rating

Fire Class	Class A – Type 3
TEMPERATURE COEFFICIENTS	
Temperature coefficients P _{mpp}	-0.28%/C
Temperature coefficients I _{sc}	+0.03%/C
Temperature coefficients V _{oc}	-0.23%/C
Normal operating cell temperature (NOCT)°	46°C +/- 2° C

WARRANTY

15-year extended product warranty 97.5% power warranty first 5 years -0.5% per year degradation for the following 25 years

CERTIFICATION

Certified to IEC 61646, IEC 61730-01, IEC 61730-02, IEC 61701, UL 1703 and CEC (in progress), ISO 9001, ISO 14001, CE Mark, FSEC, MCS, SEC, and TUV











MECHANICAL SPECIFICATIONS

Dimensions 1959 x 990 x 6 mm (6.43 x 3.24 x 0.02 ft) Weight 27.4 kg (60.5 lbs)

1.96 m² (21.1 ft²) Area

Cell Type Bifacial Hybrid Cell Technology (HCT)

72 Cells, Frameless double glass design Module Type

with tempered glass

Tempered 2.9 mm anti-reflective Glass

coating, low iron

Tyco IP-67 rated; 1000V UL/IEC, Junction Box

3 diodes

4 mm² x 1.2 m cable with MC4 connectors or MC4 compatible Cables

connectors

Clamps Sunpreme 200mm

PACKAGING

Modules per crate	26
Crate per shipping container	22

