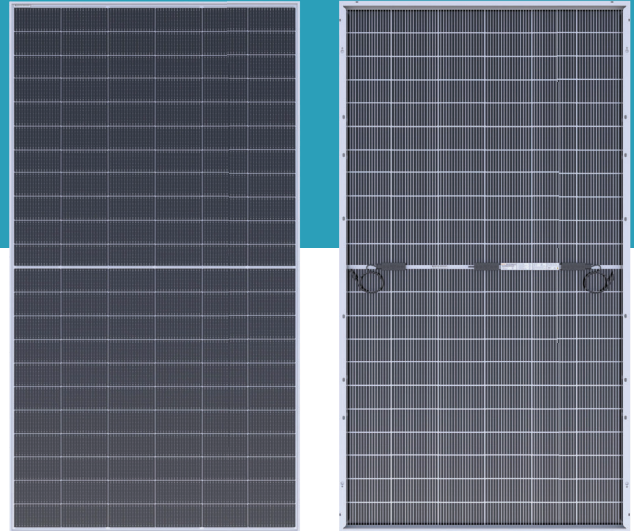


# VEGA SERIES™ | Mono-Bifacial

**Power Output Range**  
605Wp - 630Wp

**Solar Cell Technology**  
Galaxion Solar Cell™ | N-Type



Product Code-BVM8611M-XXXR-H-HC-BF-DG

### Efficiency:

Up to 23.32% Module Efficiency  
Power Tolerance 0~+5W

### Durability:

30-year Performance  
Warranty

### Technology:

N-Type cell technology  
Mono-Bifacial / Double Glass

## PRODUCT FEATURES & BENEFITS



### Design to Perform

- High energy yield and faster ROI
- High efficiency up to 23.32%
- Improved IAM and Low Irradiance performance
- Lower temperature coefficient



### Build to Last

- Mechanical load up to +5400, -2400
- Anti-LeTID and PID performance
- Micro crack resistance
- Impact of inter-row resistance
- Improve current flow



### Best Value

- N-type cell technology with 80±5% bifaciality
- Lower Balance of system cost (BOS)
- Reduced levelized cost of energy (LCOE)

**A RELIABLE, TRUSTED,  
LONG-TERM INDUSTRY PARTNER**



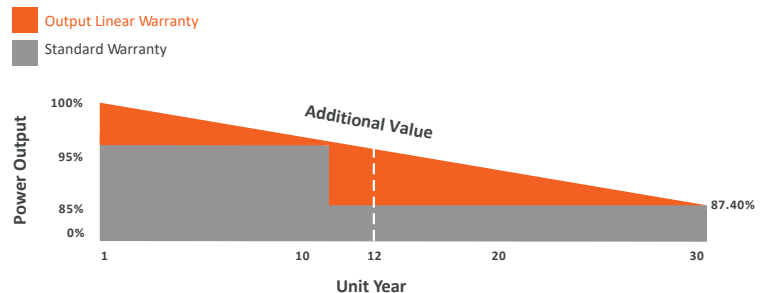
## PRODUCT WARRANTY

### Warranty Details

- 12 Year product warranty
- 30 Year linear product warranty

### Power Degradation

- First year power degradation no more than 1%
- Subsequent annual power degradation no more than 0.4%



## PRODUCT CERTIFICATIONS & TESTS

### UL 61730

UL 61730 Fire Performance Type 29

### Management System I Certificates

ISO 9001 | Quality management system

ISO 14001 | Environmental management system

ISO 45001 | Occupational health and safety management system

\*Please contact Boviet Solar representative for a full list of certificates according to local requirements and PV module product type.



BNEF Tier 1  
PV Module manufacturers  
Since 2017



PVEL PV Module Reliability  
Scorecard Top Performer  
Since 2019



Supply Chain  
Traceability Protocol



Environmental, Social, &  
Corporate Governance Protocol



Made in USA  
Since Q1 2025



Made in Vietnam  
Since 2013

**ELECTRICAL CHARACTERISTICS | STC**

Maximum Power -Pmax (W)	605	610	615	620	625	630
Maximum Power Current -Imp (A)	14.78	14.83	14.88	14.93	14.98	15.03
Maximum Power Voltage -Vmp (V)	40.94	41.14	41.34	41.54	41.73	41.92
Short Circuit Current -Isc (A)	15.79	15.84	15.89	15.94	15.99	16.07
Open Circuit Voltage -Voc (V)	48.05	48.25	48.45	48.65	48.85	49.05
Module Efficiency	22.40%	22.58%	22.77%	22.95%	23.14%	23.32%
Power Tolerance (W)	0~+5	0~+5	0~+5	0~+5	0~+5	0~+5

STC: AM1.5 Irradiance 1000W/m<sup>2</sup>, 25° C

**ELECTRICAL CHARACTERISTICS | NOCT**

Maximum Power -Pmax (W)	605	610	615	620	625	630
Maximum Power -Pmax (W)	457.50	461.28	465.06	468.84	472.62	476.40
Maximum Power Current -Imp (A)	11.99	12.03	12.07	12.11	12.15	12.19
Maximum Power Voltage -Vmp (V)	38.16	38.35	38.54	38.72	38.90	39.08
Short Circuit Current -Isc (A)	12.69	12.73	12.77	12.81	12.85	12.91
Open Circuit Voltage -Voc (V)	45.02	45.20	45.39	45.58	45.77	45.96

NOCT: AM 1.5 Irradiance 800W/m<sup>2</sup>, 20° C, Wind speed 1m/s

**MECHANICAL CHARACTERISTICS**

<b>Solar Cell</b>	Monocrystalline I N-Type PV Cells I Half-cut 16 Busbar I 132 cell I (6x22) pieces in series
<b>Solar Modules</b>	Bifacial I 2382 x 1134 x 33 mm (93.78x 44.65 x 1.3 inch) Weight: 32.5 kg ±5% (71.65 lb.±5%)
<b>Module Front Glass</b>	2.0 mm (0.079 inch) High transparency, low iron, AR coated Tempered Glass
<b>Module Frame</b>	Frame 33 mm (1.3 inch) Anodized Aluminum Alloy Frame
<b>Module Junction Box</b>	IP68 rated I 3 bypass diodes I Split junction box design
<b>Module Output Cable</b>	4mm <sup>2</sup> I Length: (+)350mm (13.78 inch), (-)350mm (13.78 inch)
<b>Module Connector</b>	JM608
<b>Module Encapsulant</b>	POE/EVA/EPE
<b>Module Back Glass</b>	2.0mm thickness, transparent with a grid.
<b>Module Fire Type</b>	Type 29 Fire rated

**PACKING INFORMATION**

<b>Pieces per pallet:</b>	33 PCS
<b>Pallets per container (40HQ):</b>	16 Pallets
<b>Pieces per container (40HQ):</b>	528 PCS
<b>Pallet Weight:</b>	1122.5 kg (2474.68 lb)
<b>Pallet Dimension:</b>	2407 x 1135 x 1257 mm (94.76 x 44.69 x 49.49 inch)

**THERMAL CHARACTERISTICS**

<b>Pmax Temperature Coefficient</b>	-0.30%/K
<b>Voc Temperature Coefficient</b>	-0.25%/K
<b>Isc Temperature Coefficient</b>	+0.046%/K
<b>NOCT</b>	113±35.6°F

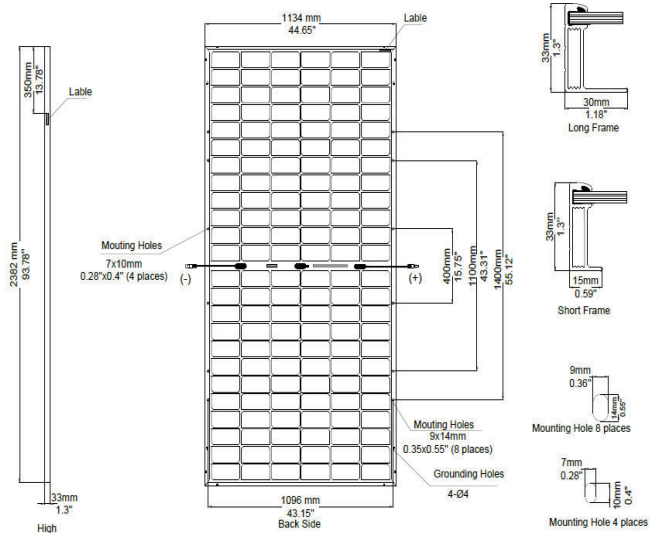
**MAXIMUM RATING**

<b>Operating Temperature</b>	-40°F~185°F
<b>Maximum Series Fuse Rating</b>	30A
<b>Maximum System Voltage</b>	1500V DC
<b>Bifacial Ratio</b>	80±5%

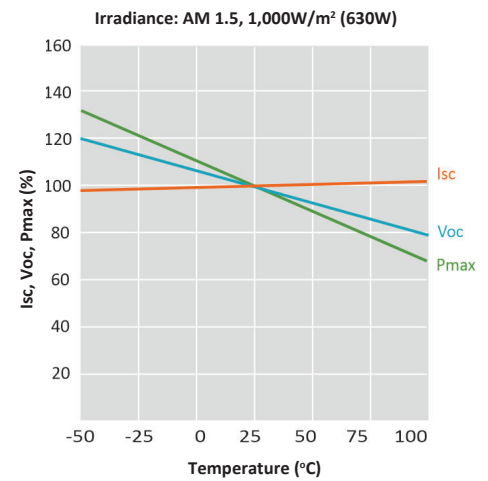
**BIFACIAL OUTPUT-BACKSIDE POWER**

<b>10%</b>	<b>Pmax(W)</b>	665.5	671	676.5	682	687.5	693
	<b>Module efficiency</b>	24.64%	24.84%	25.04%	25.25%	25.45%	25.66%
<b>20%</b>	<b>Pmax(W)</b>	726	732	738	744	750	756
	<b>Module efficiency</b>	26.88%	27.10%	27.32%	27.54%	27.77%	27.99%

**PV Module: Mechanical Drawing**



**PV Module: Temperature Coefficient**



**PV Module: IV Curve**

