

VEGA SERIESTM | Mono-Bifacial

Power Output Range

605Wp - 630Wp

Solar Cell Technology

Galaxion Solar CellTM | N-Type

Efficiency:

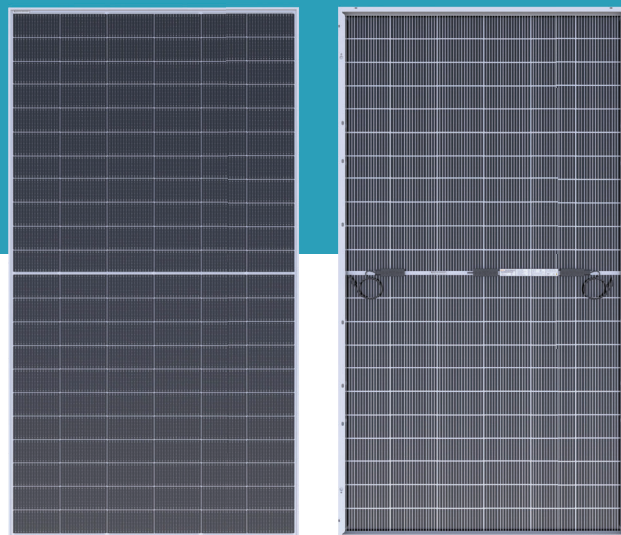
Up to 23.32% Module Efficiency
Power Tolerance 0~+5W

Durability:

30-year Performance
Warranty

Technology:

N-Type cell technology
Mono-Bifacial / Double Glass



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

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

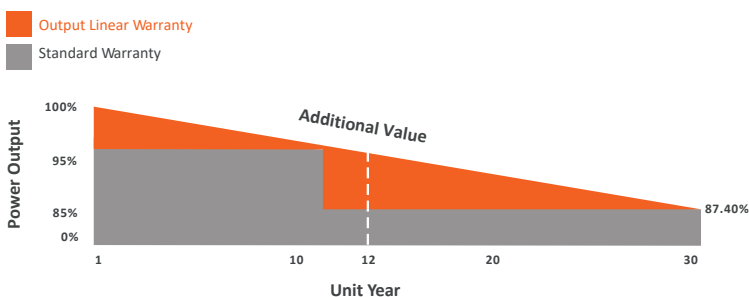
12 Year product warranty

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.

BloombergNEF

BNEF Tier 1
PV Module manufacturers
Since 2017

PVEL member of group
kiwa

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/m², 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/m², 20° C, Wind speed 1m/s

MECHANICAL CHARACTERISTICS

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

PACKING INFORMATION

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

THERMAL CHARACTERISTICS

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

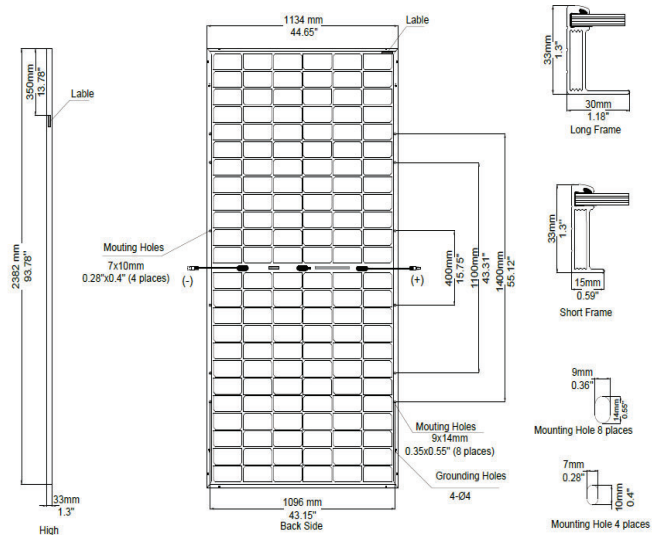
MAXIMUM RATING

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

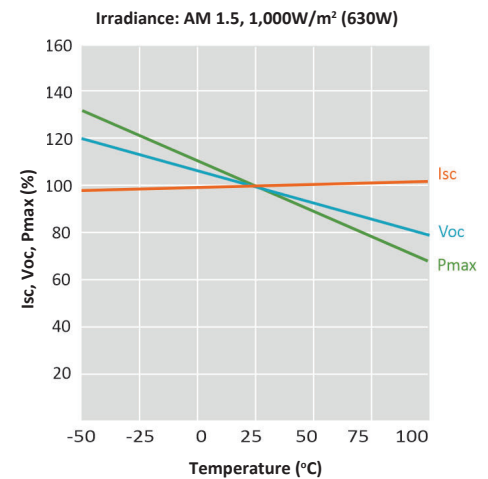
BIFACIAL OUTPUT-BACKSIDE POWER

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

PV Module: Mechanical Drawing



PV Module: Temperature Coefficient



PV Module: IV Curve

