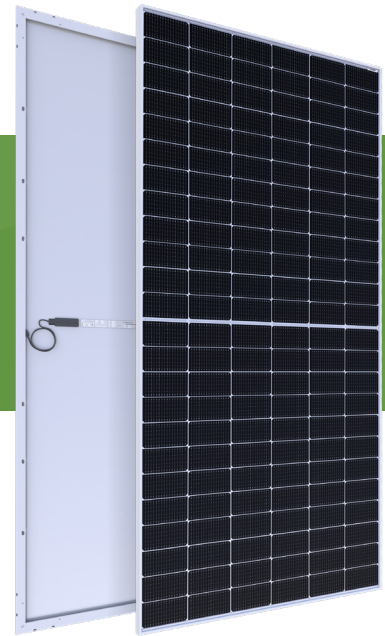


GAMMA SERIES™

TOPCON Cell Technology

POWER OUTPUT RANGE
560Wp – 580Wp

MODULE CODE
BVM7612M-XXX-H-HC



PV MODULE TECHNOLOGY
Mono-Monofacial

PV MODULE POWER RANGE
560W | 565W | 570W | 575W | 580W

PV MODULE EFFICIENCY
22.45% Max Module Efficiency
Power Tolerance 0~+5W

PV MODULE DESIGN
Silver Frame | White Backsheet
Split Module Design

PRODUCT FEATURES + BENEFITS



Design to Perform

- High energy yield and faster ROI
- High efficiency up to 22.45%
- Improved incident angle modifier
- Improved low irradiance performance
- Lower temperature coefficient -0.30%/K



Build to Last

- Resistance to harsh environments
 - Wind loads up to 2400Pa
 - Snow loads up to 5400Pa
 - Hail impact size 45mm
- Lower impact from temperature efficiency behavior
 - Anti-LeTID performance
 - Anti-PID performance
 - Backed by 3rd party testing validation
- Multi-busbar, half-cut cells to enhance
 - Micro crack resistance
 - Impact of inter-row resistance
 - Improve current flow



Best Value

- TOPcon cell technology with 80±5% bifaciality
- Lower Balance of system cost (BOS)
- Reduced levelized cost of energy (LCOE)
- Faster return on investment (ROI)

PRODUCT WARRANTY

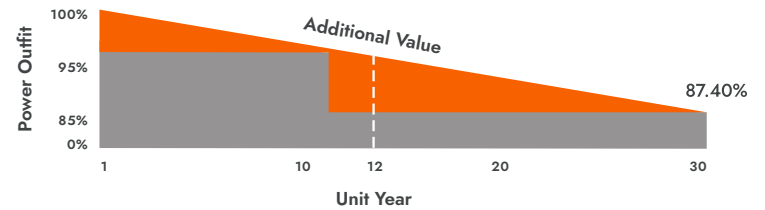
Warranty Terms

- 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%

- Output Linear Warranty
- Standard Warranty



PRODUCT CERTIFICATIONS & TESTS

UL 61730 | IEC 61215 | IEC 61730 | CE Listed
IEC 62716, IEC 61701 Ammonia, Salt mist corrosion test
IEC TS 62804-1, IEC 60068-2-68PID test, Dust and Sand test
IEC 61730-2 (UL790) Fire Class C

Management System | 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.

A RELIABLE, TRUSTED, LONG-TERM INDUSTRY PARTNER



Top 10 Global
PV Module
Manufacturer



PVEL PV Module
Reliability Scorecard
Top Performer



B&V Successful
Independent
Manufacturing Assessment



Supply chain
traceability
protocol



Environmental,
Social, & Governance
Program



Made in
Vietnam since
2013

ELECTRICAL CHARACTERISTICS | STC

Maximum Power (Pmax)	560W	565W	570W	575W	580W
Maximum Power Current (Imp)	12.77A	12.84A	12.91A	12.97A	13.04 A
Maximum Power Voltage (Vmp)	43.88V	44.03V	44.18V	44.34V	44.50V
Short Circuit Current (Isc)	13.63 A	13.70 A	13.77A	13.84A	13.91A
Open Circuit Voltage (Voc)	51.66V	51.85 V	52.04 V	52.23V	52.42V
Module Efficiency	21.68%	21.87%	22.07%	22.26%	22.45%
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W

STC: AM1.5 Irradiance 1000W/m², 25° C

ELECTRICAL CHARACTERISTICS | NOCT

Maximum Power (Pmax)	560W	565W	570W	575W	580W
Maximum Power (Pmax)	423.47W	427.25W	431.03W	434.81W	438.59W
Maximum Power Current (Imp)	10.36A	10.41A	10.47A	10.52A	10.58A
Maximum Power Voltage (Vmp)	40.90V	41.04V	41.18V	41.33V	41.48V
Short Circuit Current (Isc)	10.95A	11.01A	11.07A	11.12A	11.18A
Open Circuit Voltage (Voc)	48.40V	48.58V	48.76V	48.94V	49.11V

NOCT: AM 1.5 Irradiance 800W/m², 20° C, Wind speed 1m/s

MECHANICAL CHARACTERISTICS

Solar Cell	Monocrystalline I TOPCon I 182mm Cell I 16 Busbar 144 cell I (6 x 24) pieces in series
Solar Modules	monofacial I Silver Frame I White Back Sheet Dimensions: 89.69 x 44.65 x 1.38 inch I 2278 x 1134 x 35 mm Weight: 61.73 lb. I 28.9 kg
Module Front Glass	Single glass I 3.2 mm I 0.13 inch Tempered Glass I AR Coated I Low Iron I High Transmitted
Module Frame	Silver Frame I 35 mm I 1.38 inch Aluminum Alloy Frame I Anodized I Ultra Strong
Module Junction Box	Model: JMTHY IP68 rated I 3 bypass diodes I Split junction box design
Module Output Cable	Model: JMTHY I 1000 mm I 39.38 inch
Module Connector	JM608
Module Back Side	Material FFC
Module Fire Type	Type 1 Fire rated

PACKING INFORMATION

Pieces per pallet:	31 PCS
Pallets per container (40HQ):	20 Pallets
Pieces per container (40HQ):	620 PCS
Pallet Weight:	946 kg (2085.57 lb.)
Pallet Dimension:	90.75 x 44.69 x 49.49 inch (2035 x 1135 x 1257 mm)

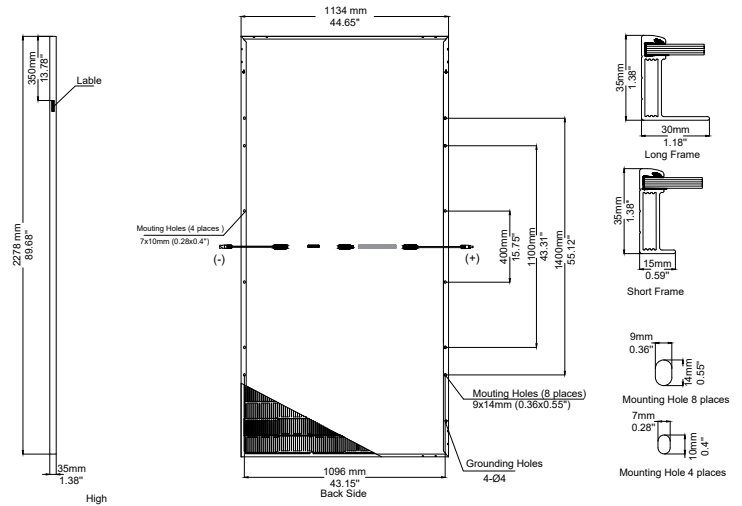
THERMAL CHARACTERISTICS

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

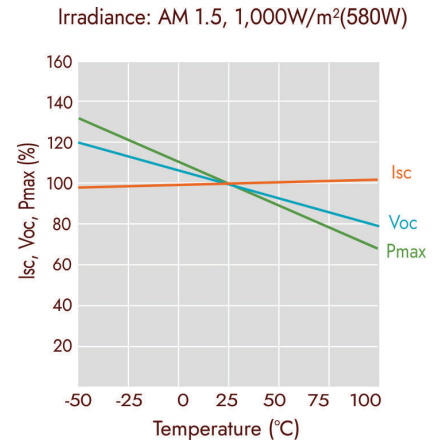
MAXIMUM RATING

Operating Temperature	-40°F~185°F
Maximum Series Fuse Rating	30A
Maximum System Voltage	1500V DC

PV Module: Mechanical Drawing



PV Module: IV Curve



PV Module: IV Curve

