



GAMMA SERIES™

UTILITY SCALE SOLAR

MONO | MONOFACIAL | PERC | PV MODULE

Power Range: 540W | 545W | 550W | 555W | 560W
Technology: PERC | Half cut cell | 10 Busbar | 144 Cells
Design: Single Glass | Silver Frame | White Backsheet

Module Efficiency: 21.7%
Cell Efficiency: 22.5%~23.3%
Power Tolerance: 0~+5W
System Voltage: 1500 V DC

Module Size: 2278 x 1134 x 35 mm
Module Weight: 28.5 kg
Module Code: BVM7612M-XXX-H-HC

DESIGNED TO PERFORM AND BUILT TO LAST

Our PV modules are designed with better technology in mind, made from robust product components, under stringent quality control steps and high-tech manufacturing processes.

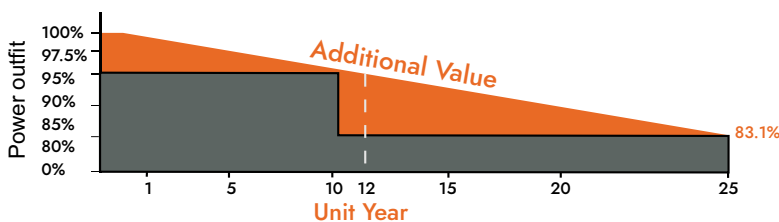
PERC, half-cut, multi-busbar, and large cell designs enables our PV modules to pack more power per module, capture more

photons, produce more energy, and provide reliable, dependable system performance under different installations requirements, difficult weather, or environmental conditions. Whether you are EPC, installer, contractor, or project developer, we have the right and better PV module for your residential, commercial, industrial, and utility scale solar projects.

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|---|--|---|--|
|  Monocrystalline technology |  P-Type semiconductor |  Passivated emitter and rear cell technology |  Half cut cell |
|  Multi-Busbar cell |  Large wafer design |  Beautiful aesthetic |  Robust product component |

WARRANTY

25- Year linear power warranty
 12 -Year product warranty



 Output Linear Warranty
 Standard Warranty

1 (12) years product warranty
 2 Out linear warranty with 2.5% degradation in the 1st year and less than 0.6% degradation each year from 2nd year to 25th year

CERTIFICATES

IEC 61215 | IEC 61730 | CE
 ISO 9001 Quality Management System
 ISO 14001 Environmental Management System
 ISO 45001 Occupational Health and Safety Management System

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

Maximum Power (Pmax)	540W	545W	550W	555W	560W
Maximum Power Current (Imp)	12.97A	13.05A	13.12A	13.20A	13.27A
Maximum Power Voltage (Vmp)	41.65V	41.80V	41.95V	42.10V	42.25V
Short Circuit Current (Isc)	13.90A	13.95A	14.00A	14.07A	14.14A
Open Circuit Voltage (Voc)	49.50V	49.65V	49.80V	49.95V	50.10V
Module Efficiency	20.9%	21.1%	21.3%	21.5%	21.7%
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W

Maximum Power (Pmax)	540W	545W	550W	555W	560W
Maximum Power (Pmax)	402W	405W	409W	413W	417W
Maximum Power Current (Imp)	10.18A	10.22A	10.29A	10.35A	10.41A
Maximum Power Voltage (Vmp)	39.48V	39.62V	39.76V	39.90V	40.04V
Short Circuit Current (Isc)	11.27A	11.26A	11.30A	11.36A	11.41A
Open Circuit Voltage (Voc)	46.92V	47.06V	47.20V	47.34V	47.48V

Solar Cell	Monocrystalline I PERC PV Cells 182mm Cell I Half-cut I10 Busbar I 144 (6x24) pcs in series
Solar Modules	Monofacial I 2278 x 1134 x 35mm I Weight: 28.5 kg
Module Glass	3.2 mm (0.13 inch) High transmission tempered glass
Module Frame	Frame 35 mm Anodized aluminum alloy
Module Junction Box	Ip68 rated I 3 bypass diodes
Module Output Cable	4mm²(IEC) Length:(+)1200mm, (-)1200mm
Module Connector	Multi contact (MC4) compatible connectors
Module Encapsulant	EVA (ethyl vinyl acetate)
Module Backsheet	FFC backsheet
Module Fire Type	Class C

Pieces per pallet:	31
Pallets per container (40HQ):	20
Pieces per container (40HQ):	620

Operating Temperature	-40~+85°C
Maximum Series Fuse Rating	25A
Isc Temperature Coefficient	1500V DC

Temperature (°C)	Isc (%)	Voc (%)	Pmax (%)
-50	96	120	132
-25	97	112	122
0	98	104	112
25	99	100	100
50	100	92	88
75	101	84	78
100	102	76	68