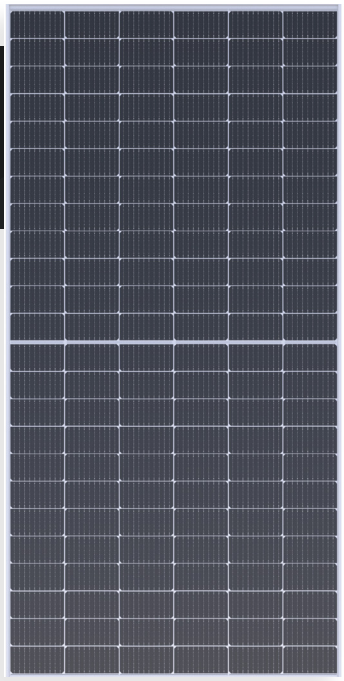
BOVIET SOLAR

GAMMA SERIES™



MONOFACIAL | PV MODULE

PERC Cell Technology | P-Type

Power Range:	530W I 535W I 540W I 545W I 555W
Technology:	PERC I Half cut cell I 10 Busbar I 144 Cells
Design:	Single Glass I Silver Frame I White Backsheet
Module Efficiency:	21.20%
Power Tolerance:	0~+5W
System Voltage:	1000/1500 V DC
Module Size:	90.08 x 44.65 x 1.38 in
Module Weight:	63.72 lb
Module Code:	BVM7612M-XXX-H-HC

DESIGNED TO PERFORM AND BUILT TO LAST

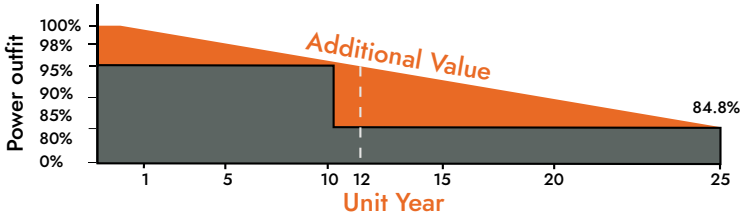
Our PV modules are designed with better technology in mind, made from robust product components, under stringent quality control steps and high-tech manufacturing processes.

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.

- Monocrystalline technology
- P-Type semiconductor
- PERC — 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% degradation in the 1st year and less than 0.55% degradation each year from 2nd year to 25th year

CERTIFICATES

UL 61730 I IEC 61215 I IEC 61730 I CEC Listed I 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.

ELECTRICAL CHARACTERISTICS I STC

Maximum Power (Pmax)	530W	535W	540W	545W	550W
Maximum Power Current (Imp)	12.66A	12.71A	12.76A	12.82A	12.88A
Maximum Power Voltage (Vmp)	41.94V	42.17V	42.40V	42.58V	42.76V
Short Circuit Current (Isc)	13.43A	13.48A	13.55A	13.72A	13.84A
Open Circuit Voltage (Voc)	49.71V	49.80V	49.89V	49.98V	50.13V
Module Efficiency	20.4%	20.6%	20.8%	21.0%	21.2%
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W

STC: AM1.5 Irradiance 1000W/m², 25° C

ELECTRICAL CHARACTERISTICS I NOCT

Maximum Power (Pmax)	530W	535W	540W	545W	550W
Maximum Power (Pmax)	401.48W	405.27W	409.09W	412.75W	416.44W
Maximum Power Current (Imp)	10.27A	10.31A	10.35A	10.40A	10.48A
Maximum Power Voltage (Vmp)	39.10V	39.31V	39.53V	39.69V	39.86V
Short Circuit Current (Isc)	10.79A	10.83A	10.89A	11.03A	11.12A
Open Circuit Voltage (Voc)	46.57V	46.66V	46.74V	46.83V	46.97V

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

MECHANICAL CHARACTERISTICS

Solar Cell	Monocrystalline I PERC PV Cells 182mm Cell I Half-cut I10 Busbar I 144 (6x24) pcs in series
Solar Modules	Monofacial I 90.08 x 44.65 x 1.38 in I Weight: 63.72 lb ±3%
Module Glass	3.2 mm (0.13 inch) High transparency, low iron, AR-coated tempered glass
Module Frame	Frame 35 mm Ultra-strong anodized aluminum alloy frame
Module Junction Box	IP68 rated I 3 bypass diodes
Module Output Cable	4mm² (EU) I 12 AWG (US) 39.38 in
Module Connector	JM608
Module Encapsulant	EVA (ethyl vinyl acetate)
Module Backsheet	FFC backsheet
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:	2081.16 lb (944 kg)
Pallet Dimension:	91.06 x 44.69 x 49.49 in (2313 x 1135 x 1257 mm)

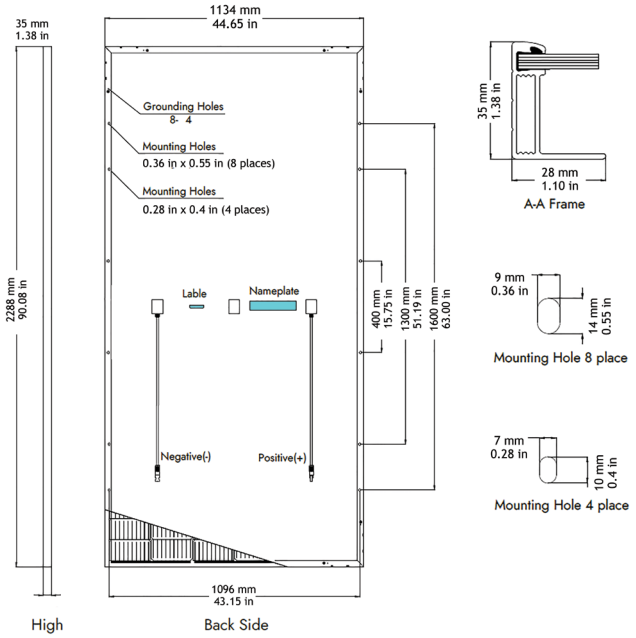
MAXIMUM RATING

Operating Temperature	-40°F~185°F
Maximum Series Fuse Rating	30A
Maximum System Voltage	1000/1500V DC

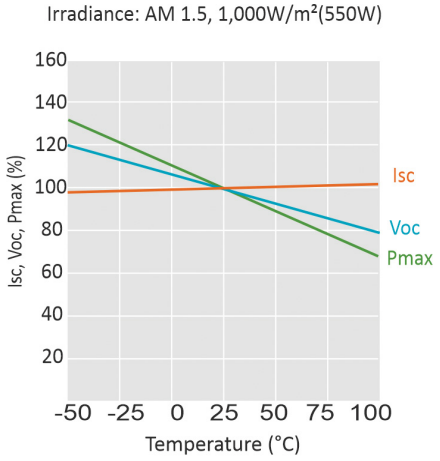
THERMAL CHARACTERISTICS

Pmax Temperature Coefficient	-0.35%/K
Voc Temperature Coefficient	-0.28%/K
Isc Temperature Coefficient	+0.049%/K
NOCT	113±35.6°F

PV Module: Mechanical Drawing



PV Module: IV Curve



PV Module: IV Curve