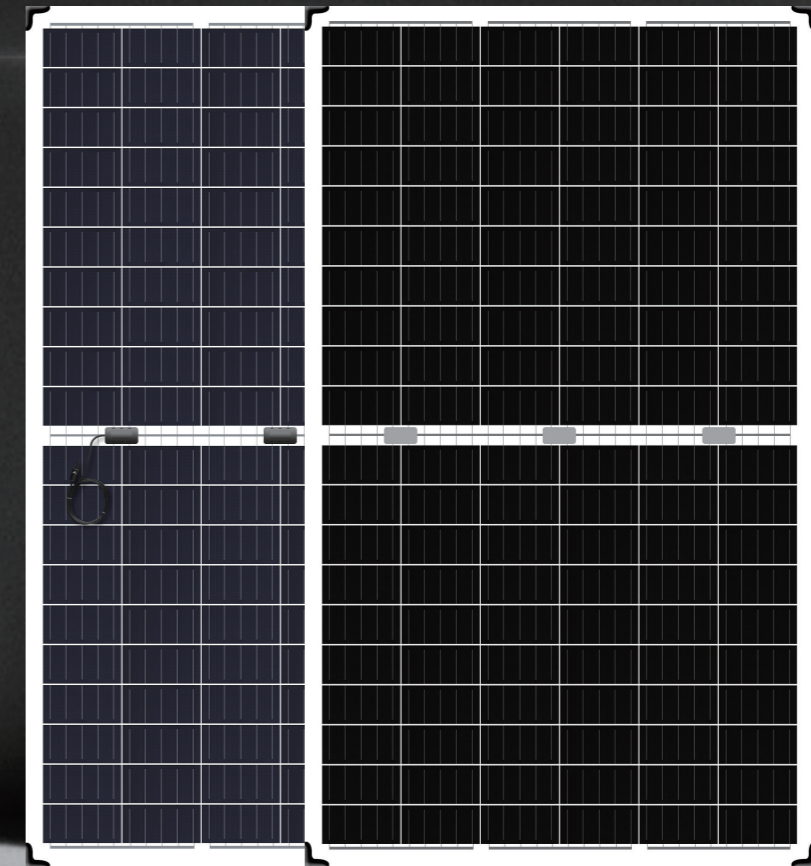




BLADE™ BIFACIAL

Pursue More, Achieve More



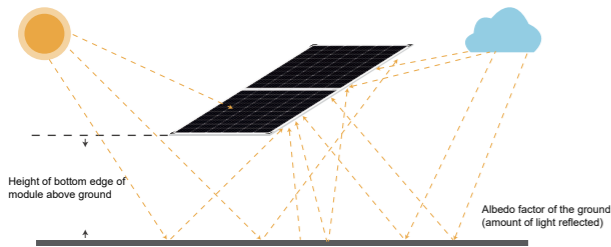
320W-335W

Seraphim's new half-cell bifacial module combines high-efficiency bifacial technology with proven half-cell technology, using incidental light from both the front and rear side of each cell. Yields up to 30% more energy from back side power generation, depending on the albedo/reflectivity of each individual project site.



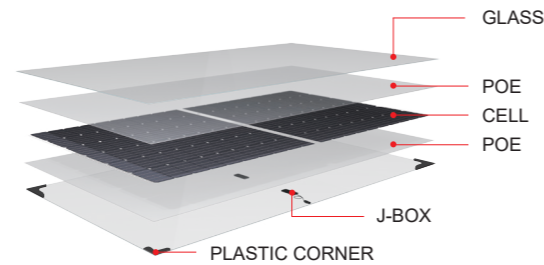
Maximum Power Output

Uses reflected and scattered light to increase energy generation by an additional 10-30%.

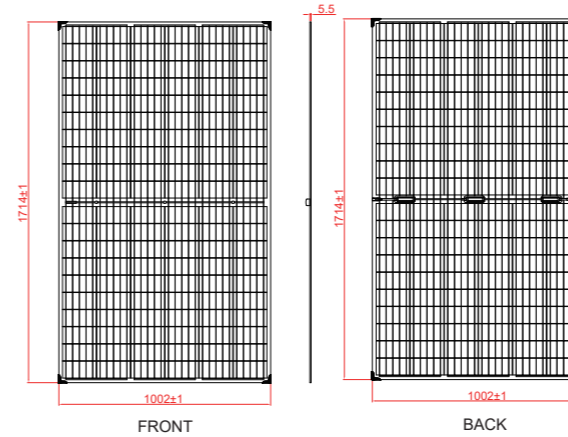


Upgraded Module Design

A lighter, 2.0mm tempered AR-coated glass was selected to maintain the same snow and wind load as standard modules, while reducing transportation costs and installation difficulty.



Technical drawing



* All Dimensions in mm
 * The above drawing is a graphical representation of the product.
 For engineering quality drawings please contact SERAPHIM.

Mechanical Specifications

External Dimension	1714 x 1002 x 5.5mm
Weight	20.0kg
Solar Cells	PERC Mono crystalline 158.75 x 79.375 mm (120pcs)
Front / Back Glass	2.0mm AR coating semi-tempered glass, low iron
Frame	Frameless
Junction Box	IP68, 3 diodes
Output Cables	4.0 mm ² , Portrait:255mm(+)/355mm(-);Landscape:1200mm
Connector	MC4 Compatible

Packing Configuration

Container	40'HQ
Pieces per Pallet	36
Pallets per Container	26
Pieces per Container	936

More Benefits

- Higher Durability and Reliability
- Enhanced safety by excellent fire resistance
- Dual-glass structure minimizes micro-cracks, snail trails, and UV aging
- Lower internal current, lower mismatch loss
- Frameless design solving the problematic issue of PID
- Unique circuit design, better shading tolerance.

Perfect for Highly—reflective Project Sites

- WATER
- SANDY
- GRASSLAND
- WHITE PAINTED GROUND

Electrical Characteristics

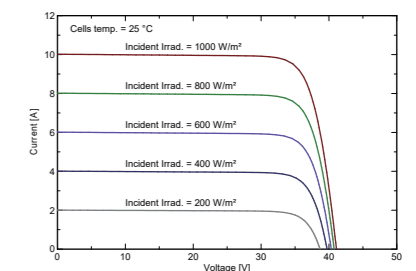
Module Type	SRP-320-BMB-BG		SRP-325-BMB-BG		SRP-330-BMB-BG		SRP-335-BMB-BG	
	Front	Back	Front	Back	Front	Back	Front	Back
STC								
Maximum Power -P _{mp} (W)	320	239	325	243	330	247	335	251
Open Circuit Voltage -V _{oc} (V)	40.7	40.4	40.9	40.6	41.1	40.8	41.3	41.0
Short Circuit Current -I _{sc} (A)	9.84	7.36	9.93	7.44	10.02	7.51	10.10	7.59
Maximum Power Voltage -V _{mp} (V)	34.3	34.4	34.5	34.6	34.7	34.8	34.9	35.0
Maximum Power Current -I _{mp} (A)	9.33	6.95	9.43	7.03	9.52	7.10	9.60	7.18
Module Efficiency STC-η _m (%)	18.63		18.92		19.21		19.51	
Power Tolerance (W)	(0, +4.99)							
Pmax Temperature Coefficient	-0.36 %/°C							
Voc Temperature Coefficient	-0.28 %/°C							
Isc Temperature Coefficient	+0.05 %/°C							

STC: Irradiance 1000 W/m² module temperature 25°C AM=1.5

Rear Side Power Gain(SRP-320-BMB-BG)

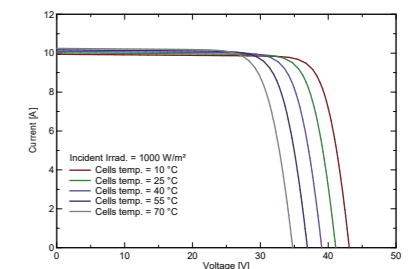
Power Gain	10%	15%	20%	25%	30%
Maximum Power -P _{mp} (W)	352	368	384	400	416
Open Circuit Voltage -V _{oc} (V)	40.7	40.7	40.7	40.7	40.7
Short Circuit Current -I _{sc} (A)	10.83	11.32	11.81	12.31	12.79
Maximum Power Voltage -V _{mp} (V)	34.3	34.3	34.3	34.3	34.3
Maximum Power Current -I _{mp} (A)	10.27	10.73	11.20	11.67	12.13

I-V Curve



Application Conditions

Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	20A
Operating Temperature	-40~+85 °C
Nominal Operating Cell Temperature	45±2 °C
Bifaciality	70%±5%
Mechanical Load	2400Pa



Certifications



Insurances



Warranty

