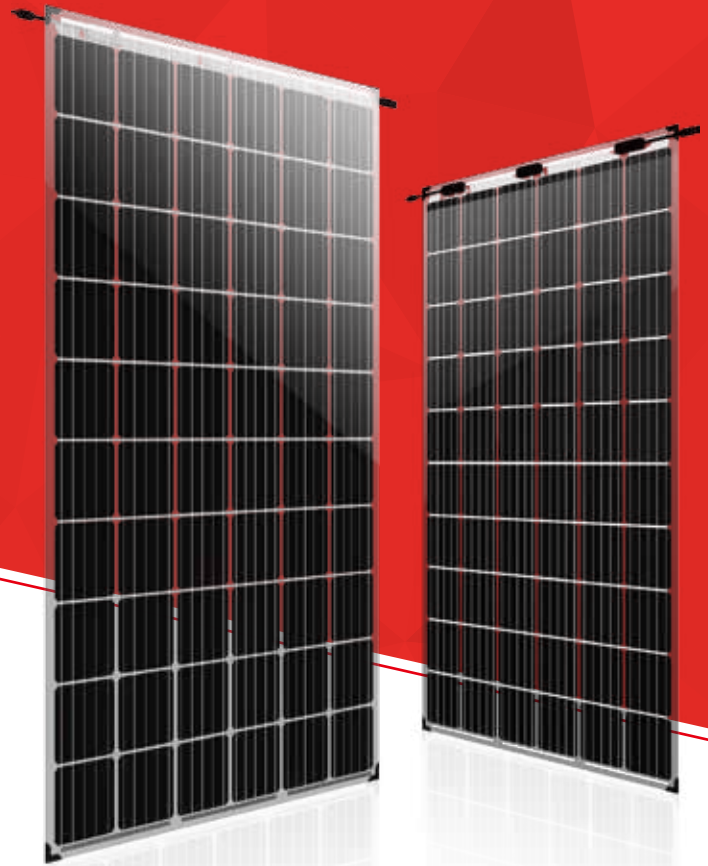








SRP-6MB-BG SERIES 6 INCH 60 CELLS

295-310_w



PERC BIFACIAL SOLAR MODULE

KEY FEATURES

-  Enhanced safety by excellent fire resistance
-  Perfect for sandy, snowy and high latitude regions
-  Use reflected light, 5%-25% more energy generation
-  Dual glass reduces micro-cracks, snail trail, UV aging
-  Frameless design solving the problematic issue of PID
-  Less maintenance due to frameless structure with less soiling and snow accumulation.

MANAGEMENT SYSTEM

ISO 9001: Quality management system
ISO 14001: Standard for environmental management system
OHSAS 18001: International standard for occupational health and safety assessment system

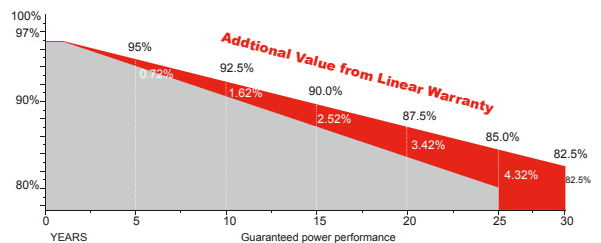
INSURANCE

PICC

PRODUCT CERTIFICATES



WARRANTY

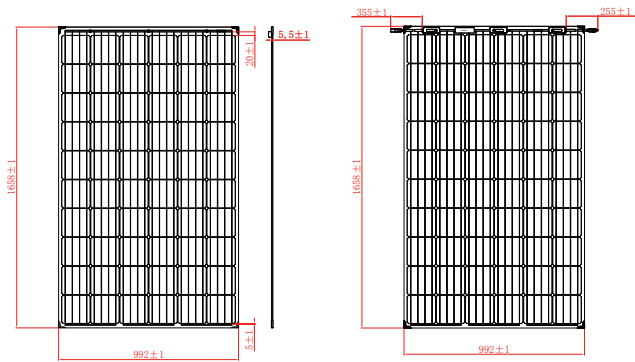


10 Guarantee on product material and workmanship

30 linear power output warranty

Specifications are subject to change without further notification SRP-DS-EN-2019V1.0 © Copyright 2019 Seraphim

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	1658 x 992 x 5.5mm
Weight	19.0kg
Solar Cells	Mono crystalline 156.75 x 156.75 mm (60pcs)
Front Glass	2.0mm AR coating semi-tempered glass, low iron
Back Glass	2.0mm AR coating semi-tempered glass, low iron
Junction Box	IP67
Output Cables	4.0 mm ² , cable length: 255mm(+), 355mm(-) Or customized
Connector	MC4 Compatible

Packing Configuration

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

Electrical Characteristics

Module Type	SRP-295-6MB-BG		SRP-300-6MB-BG		SRP-305-6MB-BG		SRP-310-6MB-BG	
	Front	Back	Front	Back	Front	Back	Front	Back
Maximum Power -P _{mp} (W)	295	220	300	224	305	228	310	231
Open Circuit Voltage -V _{oc} (V)	39.7	39.2	39.9	39.4	40.1	39.6	40.3	39.8
Short Circuit Current -I _{sc} (A)	9.51	7.11	9.62	7.18	9.72	7.26	9.81	7.31
Maximum Power Voltage -V _{mp} (V)	32.4	32.5	32.6	32.7	32.8	32.9	33.0	33.1
Maximum Power Current -I _{mp} (A)	9.11	6.77	9.21	6.85	9.30	6.93	9.40	6.98
Module Efficiency STC-η _m (%)	17.94		18.24		18.55		18.85	
Power Tolerance (W)	(0, +4.99)							
Pmax Temperature Coefficient	-0.37%/°C							
Voc Temperature Coefficient	-0.30 %/°C							
Isc Temperature Coefficient	+0.050 %/°C							

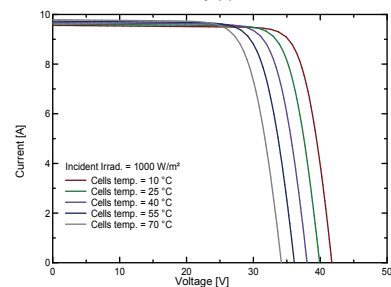
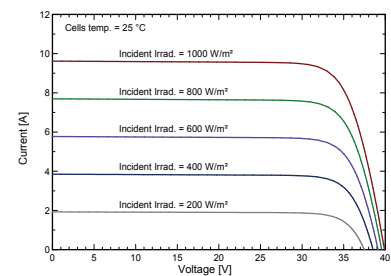
Rear Side Power Gain(SRP-300-6MB-BG)

Power Gain	5%	10%	15%	20%	25%
Maximum Power -P _{mp} (W)	315	330	345	360	375
Open Circuit Voltage -V _{oc} (V)	39.9	39.9	39.9	39.9	39.9
Short Circuit Current -I _{sc} (A)	10.13	10.61	11.09	11.57	12.05
Maximum Power Voltage -V _{mp} (V)	32.6	32.6	32.6	32.6	32.6
Maximum Power Current -I _{mp} (A)	9.67	10.13	10.59	11.05	11.51

Application Conditions

Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	20A
Operating Temperature	-40~+85 °C
Nominal Operating Cell Temperature	45±2 °C
Bifaciality*	≥74%
Mechanical Load	5400Pa

Curve



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