

SEG-6MB-(300-320)W/B

SERIES 6 INCH 60 CELLS



300-320_w

Safety



Resistance to salt mist corrosion at your request



Resistance to ammonia corrosion at your request



Product is certified by UL1703

Reliability



Anti-PID products using advanced module technology



World 1st company to pass "Thresher Test" and "On-site Power Measurement Validation" certificate



Bankable products

Performance



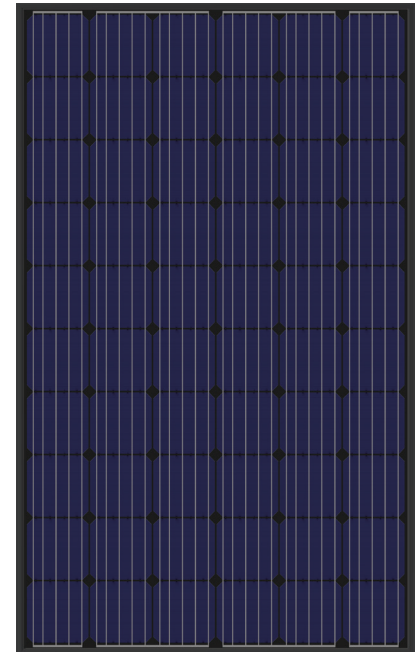
High efficiency and enhanced module durability



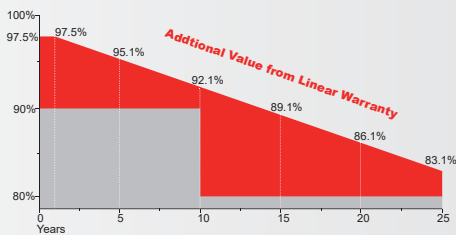
Outstanding power output capability at low irradiance



Withstand up to 2400Pa wind and 5400Pa snow loads(IEC), long lasting



WARRANTY



15 YEARS

Guarantee on product material and workmanship

25 YEARS

Linear power output warranty

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

PRODUCT CERTIFICATES



Solar Energy Industries Association®



INSURANCE



SEG-6MB-(300-320)W/B SERIES 6 INCH 60 CELLS



WW: WHITE BACK-SHEET / SILVER FRAME PRODUCTS
 WB: WHITE BACK-SHEET ,BLACK SILVER FRAME PRODUCTS
 BW: BLACK BACK-SHEET ,WHITE SILVER FRAME PRODUCTS
 BB: BLACK BACK-SHEET / SILVER FRAME PRODUCTS

Electrical Characteristics(STC)

Module Type	SEG-6MB-300BW SEG-6MB-300BB	SEG-6MB-305WW SEG-6MB-305WB SEG-6MB-305BW SEG-6MB-305BB	SEG-6MB-310WW SEG-6MB-310WB SEG-6MB-310BW SEG-6MB-310BB	SEG-6MB-315WW SEG-6MB-315WB SEG-6MB-315BW SEG-6MB-315BB	SEG-6MB-320WW SEG-6MB-320WB
Maximum Power at STC - P_{mp} (W)	300	305	310	315	320
Open Circuit Voltage - V_{oc} (V)	39.7	39.9	40.2	40.4	40.6
Short Circuit Current - I_{sc} (A)	9.65	9.76	9.82	9.92	10.02
Maximum Power Voltage - V_{mp} (V)	32.1	32.3	32.6	32.8	33.0
Maximum Power Current - I_{mp} (A)	9.35	9.45	9.51	9.61	9.70
Module Efficiency STC- η_m (%)	18.44	18.75	19.05	19.36	19.67
Power Tolerance (W)	(0,+4.99)				
Maximum System Voltage (V)	1000 or 1500(UL)				
Maximum Series Fuse Rating (A)	20				
Fire Performance	Type2 or Type1(UL)				

Electrical Characteristics(NOCT)

Module Type	SEG-6MB-300BW SEG-6MB-300BB	SEG-6MB-305WW SEG-6MB-305WB SEG-6MB-305BW SEG-6MB-305BB	SEG-6MB-310WW SEG-6MB-310WB SEG-6MB-310BW SEG-6MB-310BB	SEG-6MB-315WW SEG-6MB-315WB SEG-6MB-315BW SEG-6MB-315BB	SEG-6MB-320WW SEG-6MB-320WB
Maximum Power at NOCT - P_{mp} (W)	223	226	230	234	238
Open Circuit Voltage - V_{oc} (V)	36.7	36.8	37.1	37.3	37.5
Short Circuit Current - I_{sc} (A)	7.82	7.91	7.96	8.05	8.14
Maximum Power Voltage - V_{mp} (V)	30.3	30.4	30.7	30.9	31.2
Maximum Power Current - I_{mp} (A)	7.36	7.44	7.50	7.58	7.64

Temperature Characteristics

Pmax Temperature Coefficient	-0.36 %/°C
Voc Temperature Coefficient	-0.28 %/°C
Isc Temperature Coefficient	+0.05 %/°C
Operating Temperature	-40~+85 °C
Nominal Operating Cell Temperature (NOCT)	45±2 °C

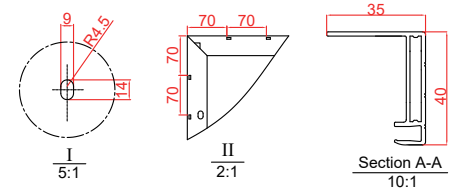
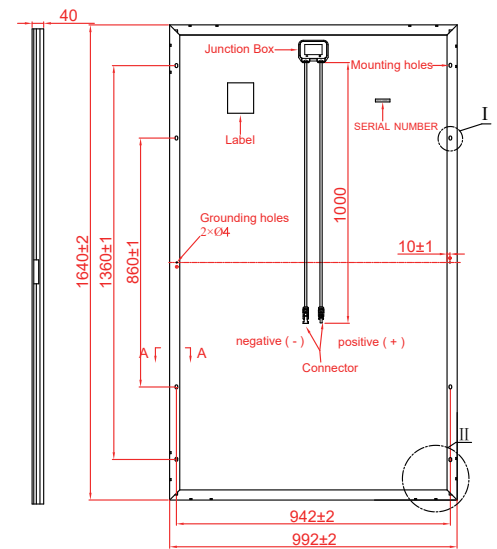
Packing Configuration

	1640x 992 x 40mm(64.57x39.06x1.576 inch)	
Container	20'GP	40'GP
Pieces per Pallet	27	27
Pallets per Container	12	28
Pieces per Container	324	756

Mechanical Specifications

External Dimensions	1640 x 992 x 40 mm(64.57x39.06x1.576 inch)
Weight	17.5 kg(38.5 lbs)
Solar Cells	PERC Monocrystalline, 158.75mm (60pcs.)
Front Glass	3.2 mm AR coating tempered glass, low iron
Frame	Anodized aluminium alloy
Junction Box	IP68
Output Cables	12AWG, cable length:472.44 inch
Connector	MC4 Compatible

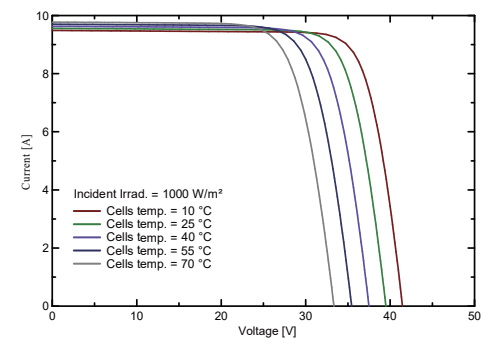
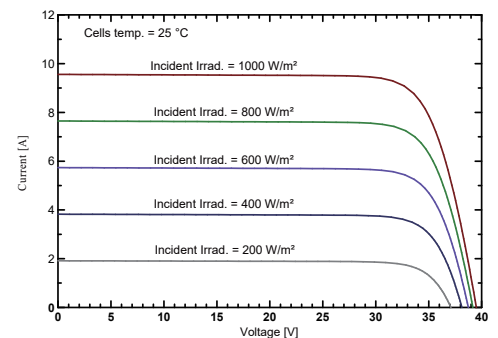
STC: Irradiance 1000 W/m², module temperature 25°C, AM=1.5
 NOCT: Irradiance 800 W/m², ambient temperature 20°C, wind speed :1m/s
 Specifications are subject to change without further notification.



* All Dimensions in mm

* The above drawing is a graphical representation of the product.

I-V Curve



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