

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



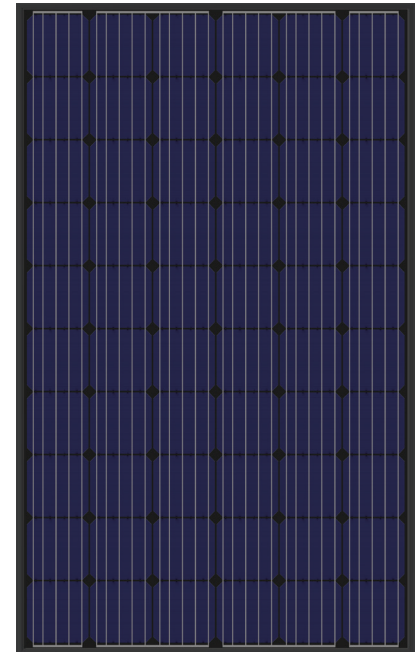
High efficiency and enhanced module durability



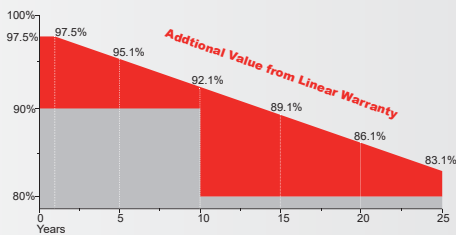
Outstanding power output capability at low irradiance



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 |

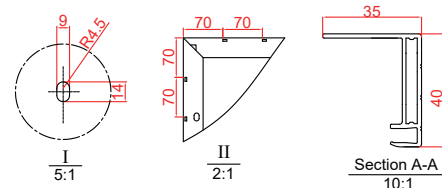
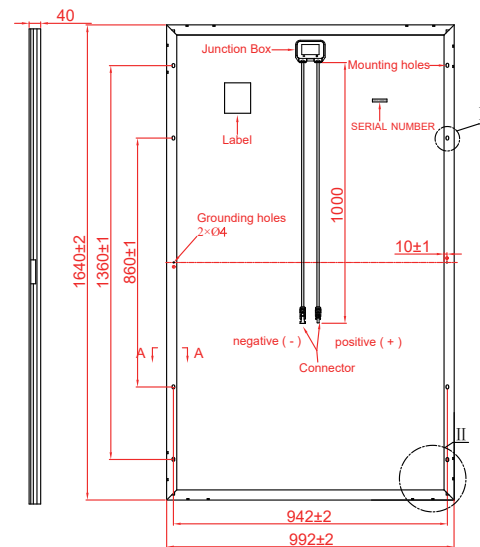
Packing Configuration

| | 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 |

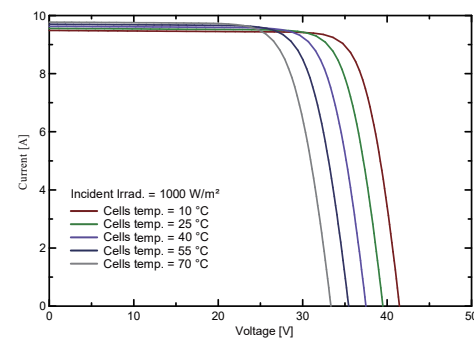
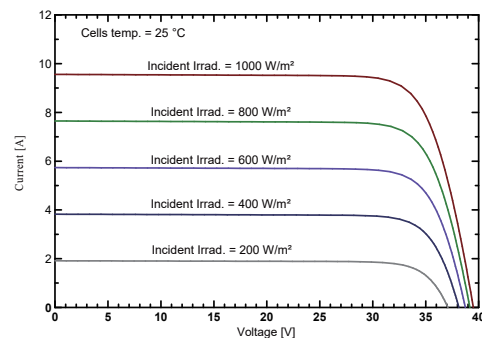
STC: Irradiance 1000 W/m², module temperature 25°C, AM=1.5
 NOCT: Irradiance 800 W/m², ambient temperature 20°C, wind speed :1m/s
 Specifications are subject to change without further notification.



* All Dimensions in mm

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

I-V Curve



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