

MA 5BB POLY MODULE
60 CELL Polycrystalline Module
255 W - 270 W



HIGH RETURN ON INVESTMENT

- Excellent for large scale installations.
- 1500V IEC certified.
- High power footprint reduces installation time and BOS costs.



HIGHER OUTPUT POWER PER SURFACE

- High quality Poly-crystalline 5BB cells.



EXCELLENT WITHSTAND CHALLENGING ENVIRONMENTAL CONDITIONS

- 35mm hail stones at 97 km/h.
- 2400Pa wind load and 5400 Pa snow load.



EXCELLENT DURABILITY RELIABILITY PERFORMANCE

- Excellent PID resistant.
- All modules have to pass electroluminescence inspection.



PRODUCT CERTIFICATES

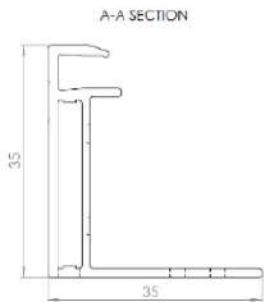
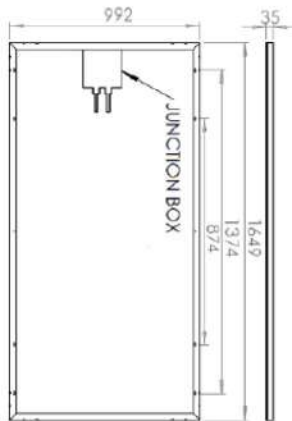
- IEC 61 215 : 2016
- IEC 61 730 : 2016
- OHSAS 18 001 : 2007



MANAGEMENT CERTIFICATES

- ISO 9 001 :2015
- ISO 14 001 :2015





MECHANICAL SPECIFICATIONS

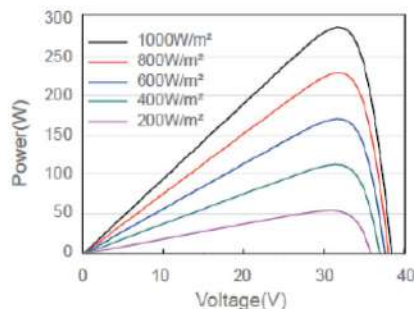
Module dimension	1649x992x35mm	Back-sheet	
Number of Cells	60	Frame	Aluminum
Weight	18Kg	Junction box	IP67, 3 diodes
Cell type	Polycrystalline 156.75x156.75mm	Cables	4mm ² (1500V)
Front-sheet	3.2mm thickness fully tempered	Connector	QC4.10 (1500V)

ELECTRICAL CHARACTERISTICS

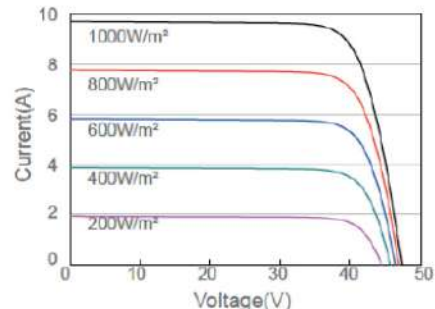
		255	260	265	270
STC Air Mass 1.5; Irradiance 1000W/m ² ; cell temperature 25°C	Maximum rated power (P _{max}) (0 ~ +5)	255	260	265	270
	Maximum power voltage (V _{mp})	31.4	31.8	32.1	32.4
	Open circuit voltage (V _{oc})	37	37.3	37.6	37.9
	Maximum power current (I _{mp})	8.1	8.2	8.3	8.4
	Short circuit (I _{sc})	8.5	8.7	8.8	8.9
	Module efficiency (%)	15.5	15.9	16.2	16.5
NOCT Air Mass 1.5ATM; Irradiance 800W/m ² ; ambient temperature 20°C	Maximum rated power (P _{max}) (0 ~ +5)	190	194	198	202
	Maximum power voltage (V _{mp})	29.1	29.5	29.7	30
	Open circuit voltage (V _{oc})	34.4	34.6	34.9	35.2
	Maximum power current (I _{mp})	6.5	6.55	6.5	7
	Short circuit (I _{sc})	6.9	7	7.1	7.2

Measuring power tolerance: ±3%

POWER-VOLTAGE CURVE



CURRENT-VOLTAGE CURVE



MAXIMUM RATINGS

Operational temperature	-40 o +85°C
Maximum system voltage	1500 V
Maximum series fuse rating	15 A

TEMPERATURE CHARACTERISTICS

Temperature coefficient of P _{max}	-0.390%/°C
Temperature coefficient of V _{oc}	-0.300%/°C
Temperature coefficient of I _{sc}	0.050%/°C
Nominal Operating Cell Temperature (NOCT)	45°C

