

SIRAJ 5BB POLY



HIGH RETURN ON INVESTMENT

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

LOW COST MODULE

- High quality polycrystalline 5BB cells.

EXCELLENT WITHSTAND CHALLENGING ENVIRONMENTAL CONDITIONS

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

EXCELLENT DURABILITY RELIABILITY PERFORMANCE

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



72 CELL

**POLYCRYSTALLINE
MODULE**

5BB

CELL DESIGN

330 W

POWER RANGE



MANAGEMENT SYSTEM CERTIFICATES

ISO 9001:2015

ISO 14001 :2015



PRODUCT CERTIFICATES

IEC 61215:2016

IEC 61730:2016



PRODUCT CERTIFICATES

OHSAS 18001 :2007

10 Years

Product Warranty

25 Years

Linear Performance
Warranty

HEADQUARTER



31, Coop Marhaba Draria, Algiers, Algeria
Tel: +213.23.33.05.62
www.milltech-dz.com

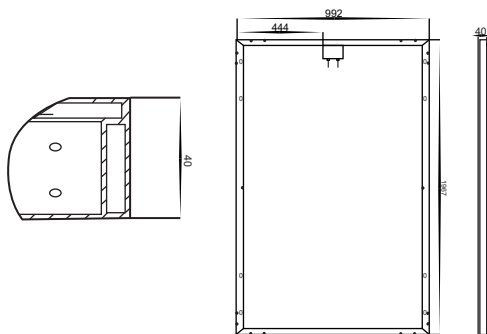
FACTORY



The industrial Zone of Boukerana, N 499,
Chelghoum El Aid, Mila, Algeria

MILLTech
inspiring you

ENGINEERING DRAWINGS



MECHANICAL SPECIFICATION

Module dimension	1967*992*40 mm
Number of cells	72
Weight	23kg
Cell type	Polycrystallines M2 cells
Glass	3,2mm thickness fully tempered
Backsheet	White backsheet (1500V)
Frame	Aluminium
Jbox	IP67, 3 diodes
Cables	4mm ² (1500V)
Connector	QC4.10 (1500V)

TEMPERATURE CHARACTERISTICS

Temperature coefficient of P _{MAX}	-0.406% / °C
Temperature coefficient of V _{OC}	-0.308% / °C
Temperature coefficient of I _{SC}	0.057% / °C
Nominal Operating Cell Temperature (NOTC)	45°C

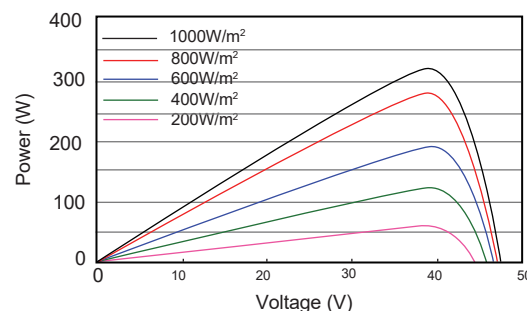
MAXIMUM RATINGS

Operational temperature	-40°C to + 85°C
Maximum system voltage	1500 V
Maximum rated current	15A

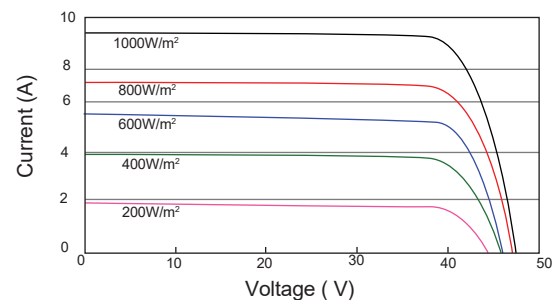
ELECTRICAL CHARACTERISTICS

			330	325	320
STC (Spectrum of AM 1.5 Irradiation 1000W/M2 Cell temperature 25°C)	Maximum rated power (P _{max})(0~+3%)	W	330	325	320
	Maximum power voltage (V _{mp})	V	39	38.8	38.5
	Open circuit voltage (V _{oc})	V	45.8	45.4	45.2
	Maximum power current (I _{mp})	A	8.54	8.4	8.3
	Short circuit current (I _{sc})	A	9.02	8.9	8.8
	Module efficiency	%	17.4	17.2	16.9
NOTC (Spectrum of AM 1.5 Irradiation 800W/M2 Cell temperature 20°C and wind speed 1m/s)	Maximum rated power (P _{max})	W	246	242	238
	Maximum power voltage (V _{mp})	V	36.2	36	35.8
	Open circuit voltage (V _{oc})	V	42.3	42.1	41.9
	Maximum power current (I _{mp})	A	6.8	6.7	6.6
	Short circuit current (I _{sc})	A	7.3	7.2	7.1

POWER-VOLTAGE CURVE



HIGH-VOLTAGE CURVE



STC: Irradiance 1000W/m²

Cell Temperature 25°C

AM=1.5

NOCT: Irradiance 800W/m²

Ambient Temperature 20°C

AM=1.5

Wind Speed 1m/s

* Power measurement tolerance: ± 3%

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