

SIRAJ

5BB MONO-PERC



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 monocrystalline PERC 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

**MONOCRYSTALLINE
MODULE**

PERC

**CELL
TECHNOLOGY**

385W

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

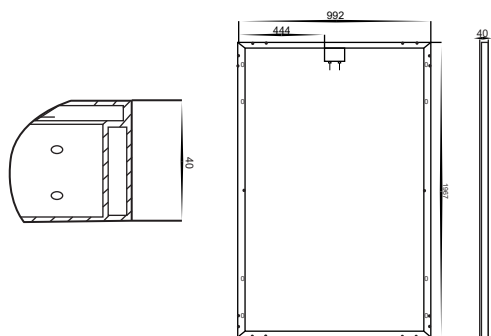
31, Coop Marhaba Draria, Algiers, Algeria
Tel: +213.23.33.05.62
www.milltech-dz.com

FACTORY

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

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inspiring you

ENGINEERING DRAWINGS



MECHANICAL SPECIFICATION

Module dimension	1967*992*40 mm
Number of cells	72
Weight	23kg
Cell type	PERC Monocrystallines 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}	-0.390% / °C
Temperature coefficient of V _{OC}	-0.300% / °C
Temperature coefficient of I _{SC}	0.060% / °C
Nominal Operating Cell Temperature (NOTC)	45°C

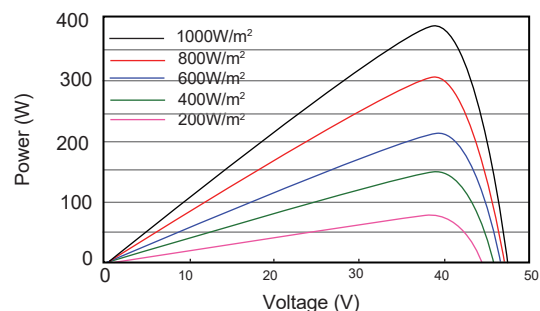
MAXIMUM RATINGS

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

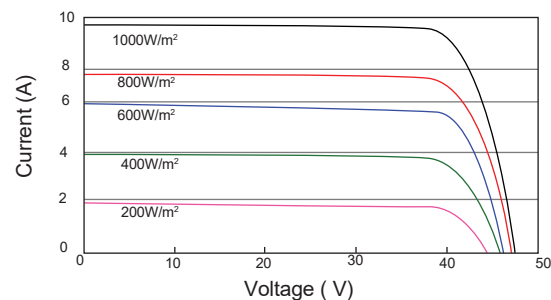
ELECTRICAL CHARACTERISTICS

			385	380	375
STC (Spectrum of AM 1.5 Irradiation 1000W/M2 Cell temperature 25°C)	Maximum rated power (P _{max})(0~+3%)	W	385	380	375
	Maximum power voltage (V _{mp})	V	40.70	40.63	40.42
	Open circuit voltage (V _{oc})	V	47.90	47.76	47.62
	Maximum power current (I _{mp})	A	9.4	9.29	9.22
	Short circuit current (I _{sc})	A	9.86	9.83	9.76
	Module efficiency	%	19.7	19.5	19.2
NOTC (Spectrum of AM 1.5 Irradiation 800W/M2 Cell temperature 20°C and wind speed 1m/s)	Maximum rated power (P _{max})	W	286	282	279
	Maximum power voltage (V _{mp})	V	38.7	38.2	37.7
	Open circuit voltage (V _{oc})	V	45.5	44.9	44.3
	Maximum power current (I _{mp})	A	7.7	7.6	7.5
	Short circuit current (I _{sc})	A	8.12	8.01	7.91

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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