

**MONO-PERC TECHNOLOGY
M2 72 CELL
375W-390W POWER RANGE**



HIGH RETURN ON INVESTMENT

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



HIGHER OUTPUT POWER PER SURFACE

- High quality monocrystalline PERC M2 cells.



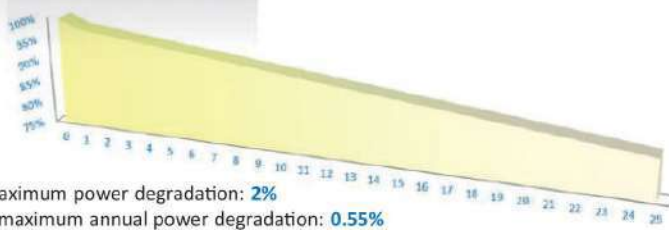
EXCELLENT WITHSTAND CHALLENGING ENVIRONMENTAL CONDITIONS

- 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.



10 years
product warranty

25 years linear
performance warranty



PRODUCT CERTIFICATES

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

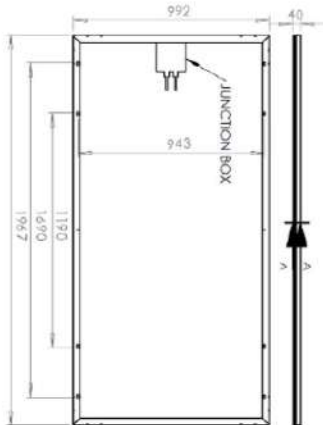


MANAGEMENT CERTIFICATES

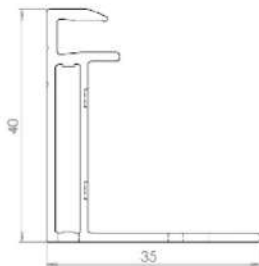
- ISO 9 001 :2015
- ISO 14 001 :2015



MECHANICAL SPECIFICATIONS



A-A SECTION



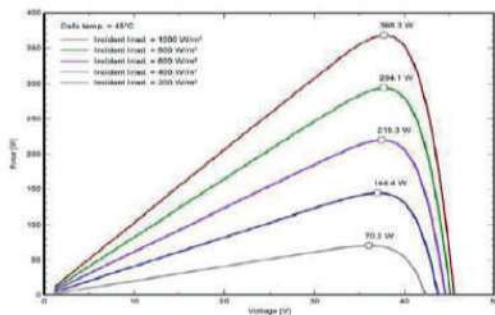
Module dimension	1967x992x40mm	Back-sheet	
Number of Cells	72	Frame	Aluminum
Weight	23Kg	Junction box	IP67, 3 diodes
Cell type	Perc Monocrystalline 156.75x156.75mm	Cables	4mm ² (1500V)
Front-sheet	3.2mm thickness fully tempered	Connector	QC4.10 (1500V)

ELECTRICAL CHARACTERISTICS

		375	380	385	390
STC Air Mass 1.5; Irradiance 1000W/m ² ; cell temperature 25°C	Maximum rated power (P _{max}) (0 ~ +5)	375	380	385	390
	Maximum power voltage (V _{mp})	40.4	40.6	40.8	41
	Open circuit voltage (V _{oc})	47.3	47.5	47.6	47.7
	Maximum power current (I _{mp})	9.3	9.4	9.47	9.53
	Short circuit (I _{sc})	9.8	9.9	10	10.1
Module efficiency (%)		19.1	19.2	19.5	19.7
NOCT Air Mass 1.5; Irradiance 800W/m ² ; ambient temperature 20°C	Maximum rated power (P _{max}) (0 ~ +5)	279	283	286	290
	Maximum power voltage (V _{mp})	37.4	37.7	38	38.2
	Open circuit voltage (V _{oc})	43.9	44.2	44.4	44.5
	Maximum power current (I _{mp})	7.5	7.55	7.6	7.7
	Short circuit (I _{sc})	7.85	7.9	7.95	8

Measuring power tolerance: ±3%

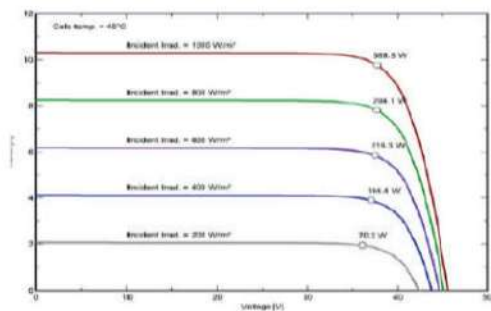
POWER-VOLTAGE CURVE



MAXIMUM RATINGS

Operational temperature	-40 o +85°C
Maximum system voltage	1500 V
Maximum series fuse rating	20 A

CURRENT-VOLTAGE CURVE



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 (NOCT)	45°C

