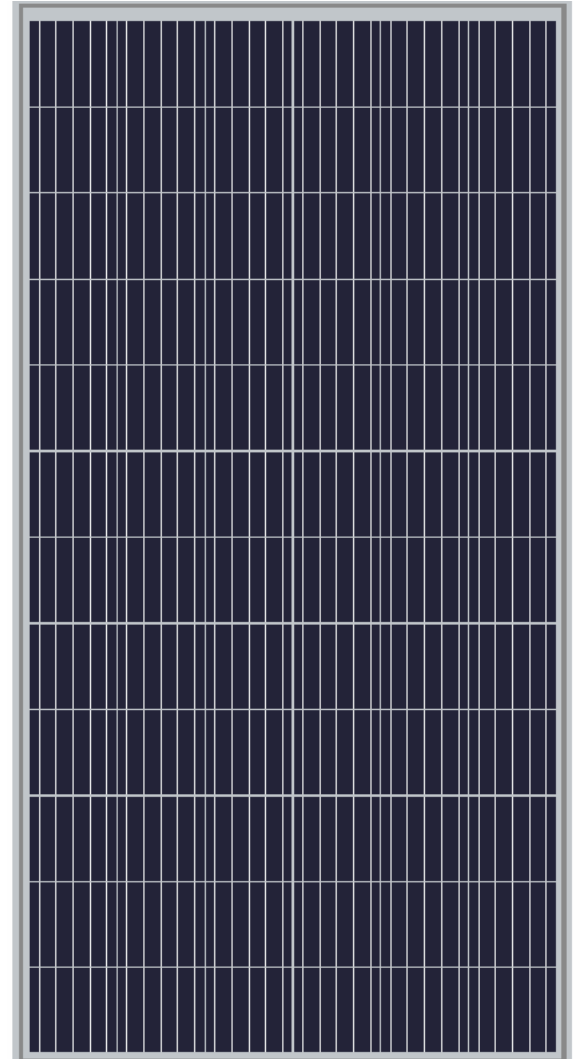


Multi Crystalline -72-Cells

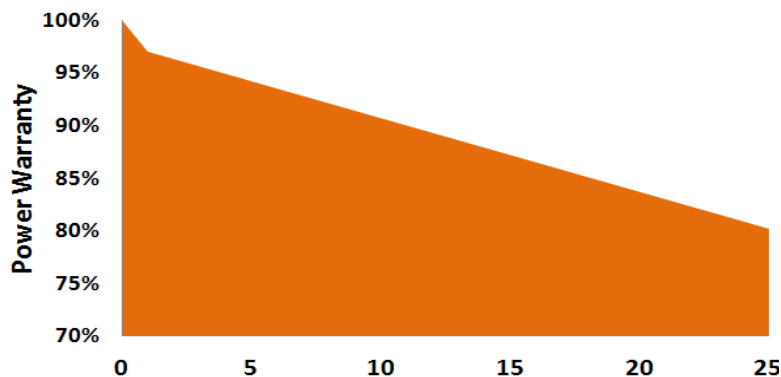
Key features

- ✦ 5 BB solar cell design
- ✦ Higher Module Efficiency
- ✦ Excellent low Light performance
- ✦ Lower temperature coefficient
- ✦ Durability- Extreme Environmental Conditions
- ✦ Excellent PID resistance

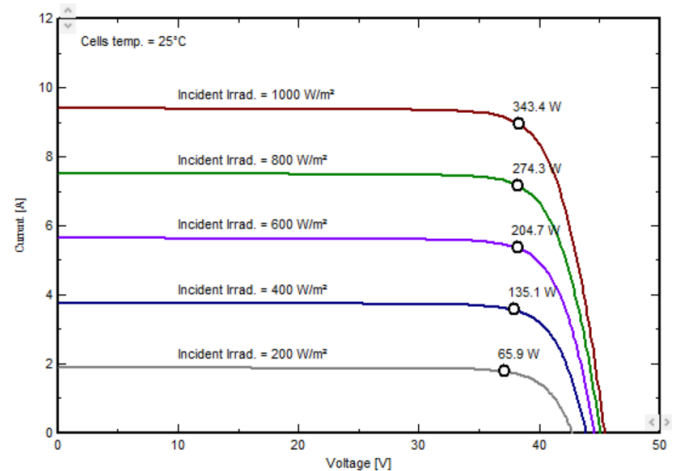


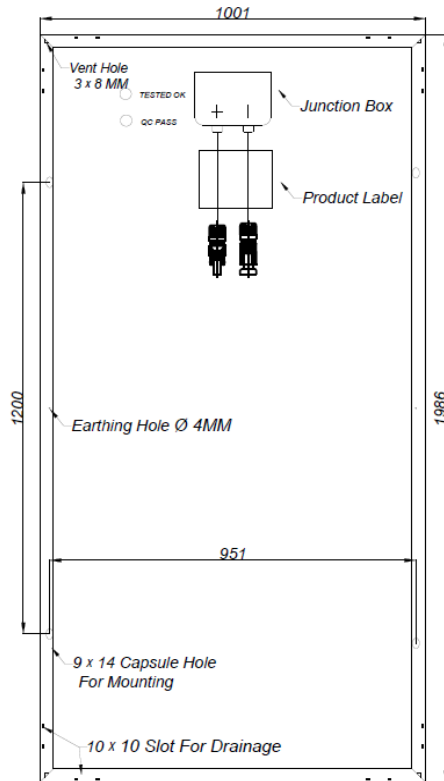
Liner Warranty

- ✦ Product Warranty 10 yrs
- ✦ First year -2.5 % & 2-25 yrs Linear Power Warranty with 0.70 % degradation annually



Low irradiance performance





Mechanical Characteristics

Module Length	1986 mm
Module Width	1001 mm
Frame Height	Anodized frame & 35 mm
No of Cell	72
Cell tech	Multi Crystalline
Front Glass	ARC 3.2 mm
Encapsulation	PID Resistant / Snail Trail free
Junction Box	IP 67 Rated with cable
Connector	MC4 compatible
Module Weight	22.80 KG
Rear Cover	White Backsheet

Temp Characteristics

Temp Coeff. Of Pmax	-0.38%/°C
Temp Coeff. Of Voc	-0.31%/°C
Temp Coeff. Of Isc	0.055%/C

Electrical Parameters at STC

	345	340	335	330	325	320	315
Maximum Power at STC (Pmax)	345	340	335	330	325	320	315
Maximum Operating Voltage (Vmp)	39.05	39.01	38.97	38.93	38.89	38.85	38.81
Maximum Operating Current (Imp)	8.83	8.72	8.60	8.48	8.36	8.24	8.12
Open Circuit Voltage (Voc)	46.88	46.84	46.8	46.76	46.72	46.68	46.64
Short Circuit Current (Isc)	9.38	9.26	9.13	9.00	8.88	8.75	8.62
Module Efficiency (%)	17.35	17.10	16.85	16.60	16.35	16.10	15.85

** STC: Irradiance 1000 W/m², Cell Temperature 25 °C, Air Mass AM1.5 & Measuring tolerance: ±3%

Electrical Parameters at NOCT

	257.2	253.5	249.8	246.0	242.3	238.6	234.9
NOCT (Pmax)	257.2	253.5	249.8	246.0	242.3	238.6	234.9
Maximum Operating Voltage (Vmp)	35.84	35.68	35.52	35.36	35.2	35.04	34.88
Maximum Operating Current (Imp)	7.14	7.08	7.02	6.96	6.90	6.84	6.78
Open Circuit Voltage (Voc)	43.33	43.14	42.94	42.75	42.56	42.36	42.17
Short Circuit Current (Isc)	7.50	7.43	7.37	7.31	7.25	7.18	7.12

** Irradiance 800W/m², ambient temperature 20°C,

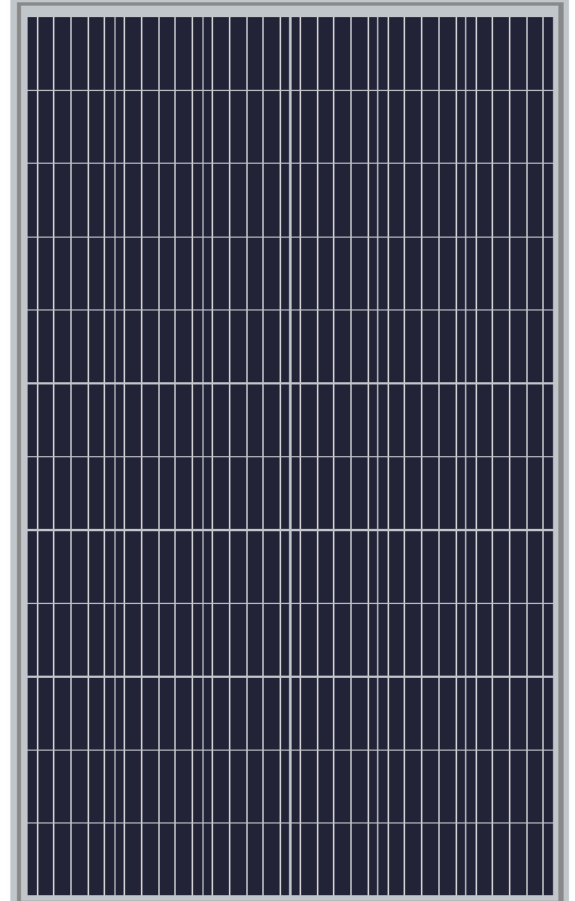
Operating Conditions

Max. System Voltage -1500V DC	Operating Temperature: -40 C° to 80 C°	NOCT- 45 ± 2C°
Maximum Series Fuse: 20 A	Fire Class: Class C	Application Class: A

Multi Crystalline -66-Cells

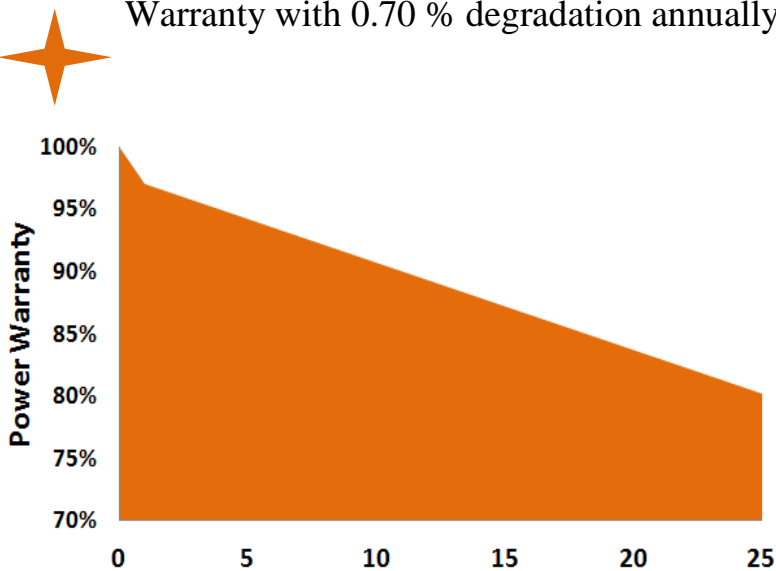
Key features

- ✦ 5 BB solar cell design
- ✦ Higher Module Efficiency
- ✦ Excellent low Light performance
- ✦ Lower temperature coefficient
- ✦ Durability- Extreme Environmental Conditions
- ✦ Excellent PID resistance

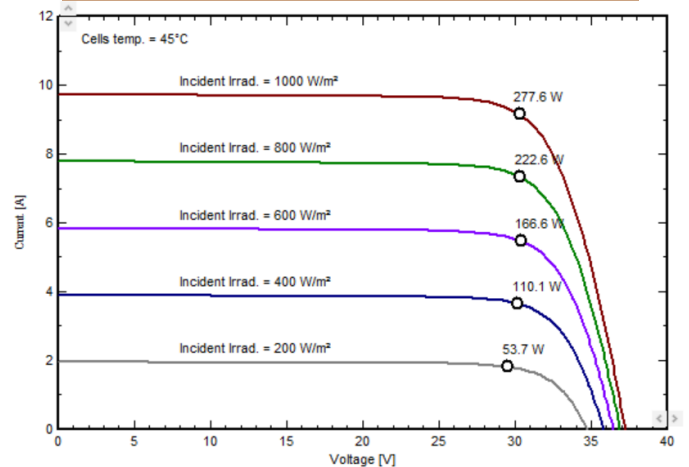


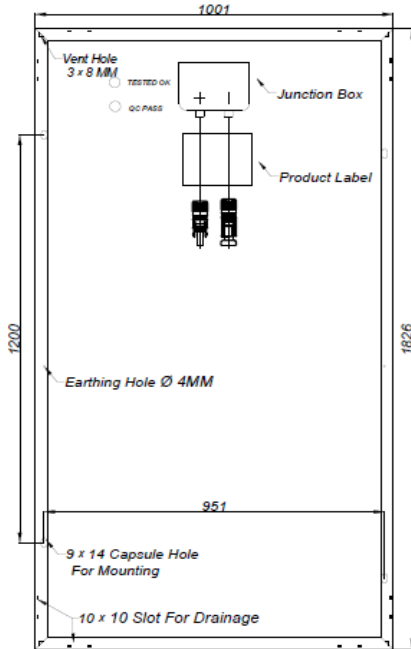
Liner Warranty

- ✦ Product Warranty 10 yrs
- ✦ First year -2.5 % & 2-25 yrs Linear Power Warranty with 0.70 % degradation annually



Low irradiance performance





Mechanical Characteristics

Module Length	1826 mm
Module Width	1001 mm
Frame Height	Anodized frame & 35 mm
No of Cell	66
Cell tech	Multi Crystalline
Front Glass	ARC 3.2 mm
Encapsulation	PID Resistant / Snail Trail free
Junction Box	IP 67 Rated with cable
Connector	MC4 compatible
Module Weight	20 KG
Rear Cover	White Backsheet

Temp Characteristics

Temp Coeff. Of Pmax	-0.38%/°C
Temp Coeff. Of Voc	-0.31%/°C
Temp Coeff. Of Isc	0.055%/C

Electrical Parameters at STC

Maximum Power at STC (Pmax)	310	305	300	295	290	285	280
Maximum Operating Voltage (Vmp)	35.76	35.72	35.69	35.65	35.61	35.58	35.54
Maximum Operating Current (Imp)	8.67	8.54	8.41	8.28	8.14	8.01	7.88
Open Circuit Voltage (Voc)	42.94	42.90	42.86	42.83	42.79	42.75	42.71
Short Circuit Current (Isc)	9.21	9.07	8.93	8.79	8.65	8.51	8.37
Module Efficiency (%)	16.95	16.69	16.42	16.14	15.86	15.60	15.32

** STC: Irradiance 1000 W/m², Cell Temperature 25 °C, Air Mass AM1.5 & Measuring tolerance: ±3%

Electrical Parameters at NOCT

NOCT (Pmax)	231.14	227.41	223.68	219.95	216.22	212.50	208.77
Maximum Operating Voltage (Vmp)	32.82	32.67	32.53	32.38	32.23	32.09	31.94
Maximum Operating Current (Imp)	7.01	6.94	6.87	6.79	6.72	6.65	6.58
Open Circuit Voltage (Voc)	39.69	39.51	39.33	39.15	38.98	38.80	38.62
Short Circuit Current (Isc)	7.36	7.28	7.21	7.13	7.06	6.99	6.91

** Irradiance 800W/m², ambient temperature 20°C,

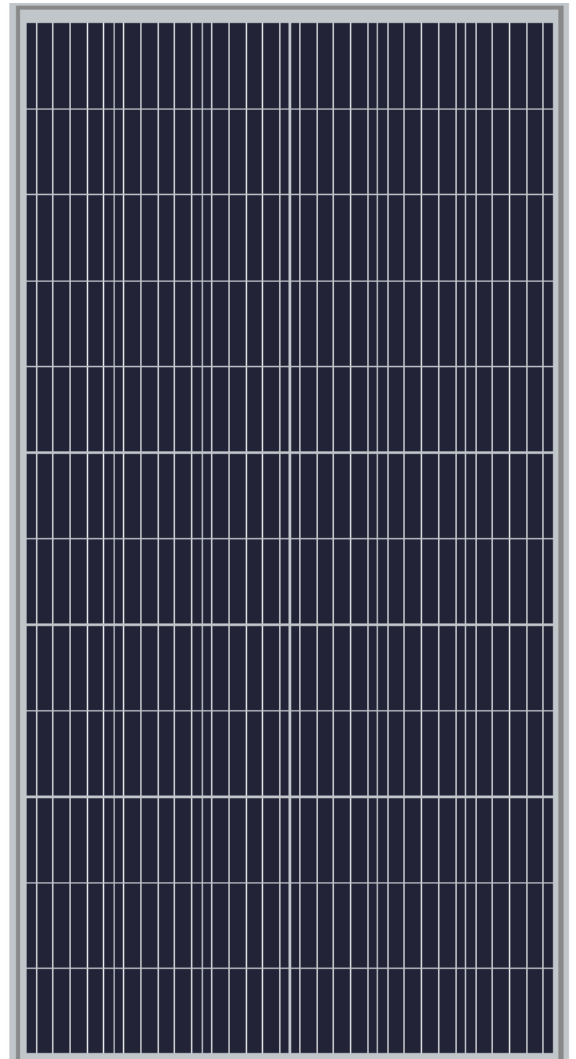
Operating Conditions

Max. System Voltage -1500V DC	Operating Temperature: -40 C° to 80 C°	NOCT- 45 ± 2C°
Maximum Series Fuse: 20 A	Fire Class: Class C	Application Class: A

Multi Crystalline -60-Cells

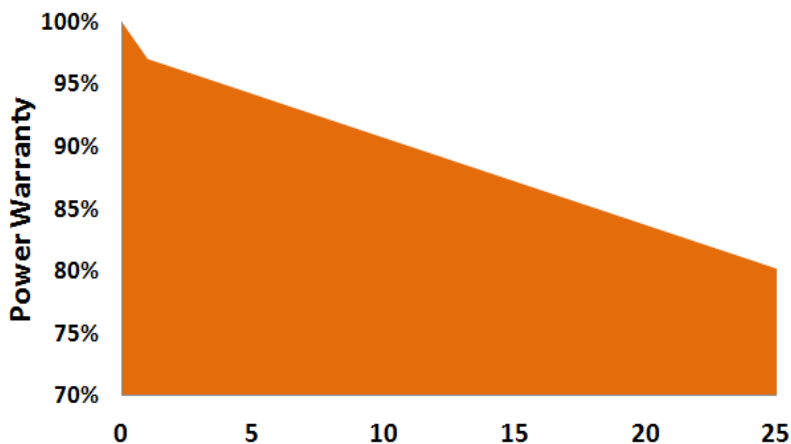
Key features

- ✦ 5 BB solar cell design
- ✦ Higher Module Efficiency
- ✦ Excellent low Light performance
- ✦ Lower temperature coefficient
- ✦ Durability- Extreme Environmental Conditions
- ✦ Excellent PID resistance

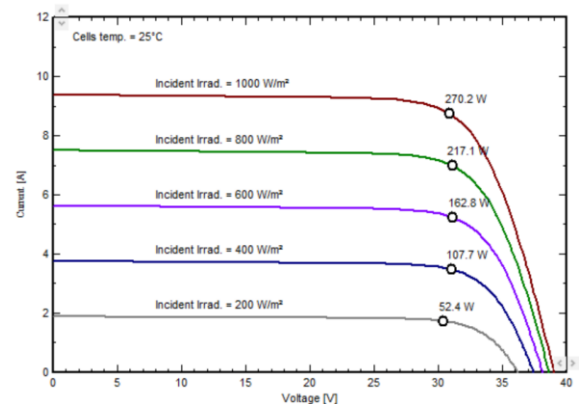


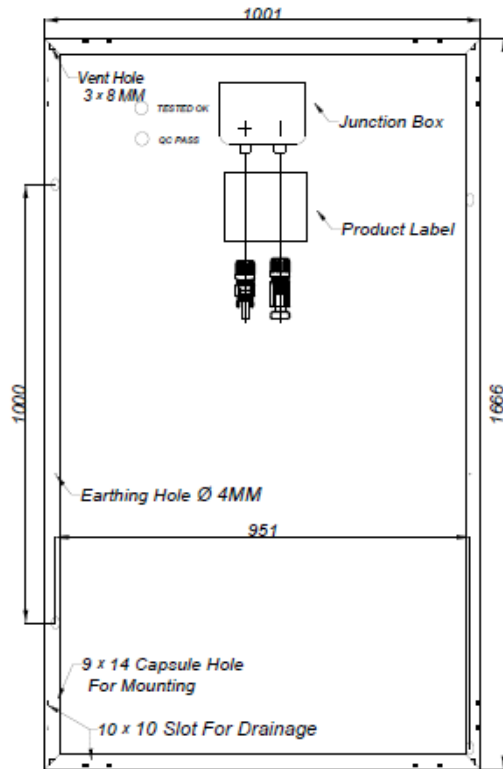
Liner Warranty

- ✦ Product Warranty 10 yrs
- ✦ First year -2.5 % & 2-25 yrs Linear Power Warranty with 0.70 % degradation annually



Low irradiance performance





Mechanical Characteristics

Module Length	1666 mm
Module Width	1001 mm
Frame Height	Anodized frame & 35 mm
No of Cell	60
Cell tech	Multi Crystalline
Front Glass	ARC 3.2 mm
Encapsulation	PID Resistant / Snail Trial free
Junction Box	IP 67 Rated with cable
Connector	MC4 compatible
Module Weight	18 KG
Rear Cover	White Backsheet

Temp Characteristics

Temp Coeff. Of Pmax	-0.38%/°C
Temp Coeff. Of Voc	-0.31%/°C
Temp Coeff. Of Isc	0.055%/C

Electrical Parameters at STC

Maximum Power at STC (Pmax)	275	270	265	260	255	250
Maximum Operating Voltage (Vmp)	32.48	32.44	32.41	32.38	32.34	32.30
Maximum Operating Current (Imp)	8.47	8.32	8.18	8.03	7.88	7.74
Open Circuit Voltage (Voc)	39.00	38.97	38.93	38.90	38.87	38.84
Short Circuit Current (Isc)	8.99	8.84	8.68	8.53	8.37	8.22
Module Efficiency (%)	16.49	16.19	15.89	15.60	15.30	15.00

** STC: Irradiance 1000 W/m², Cell Temperature 25 °C, Air Mass AM1.5 & Measuring tolerance: ±3%

Electrical Parameters at NOCT

NOCT (Pmax)	205.04	201.31	197.58	193.86	190.13	186.40
Maximum Operating Voltage (Vmp)	29.81	29.77	29.74	29.71	29.68	29.65
Maximum Operating Current (Imp)	6.84	6.73	6.61	6.49	6.37	6.25
Open Circuit Voltage (Voc)	36.05	36.02	35.99	35.95	35.92	35.90
Short Circuit Current (Isc)	7.19	7.06	6.94	6.81	6.69	6.57

** Irradiance 800W/m², ambient temperature 20°C,

Operating Conditions

Max. System Voltage -1500V DC	Operating Temperature: -40 C° to 80 C°	NOCT- 45 ± 2C°
Maximum Series Fuse: 20 A	Fire Class: Class C	Application Class: A