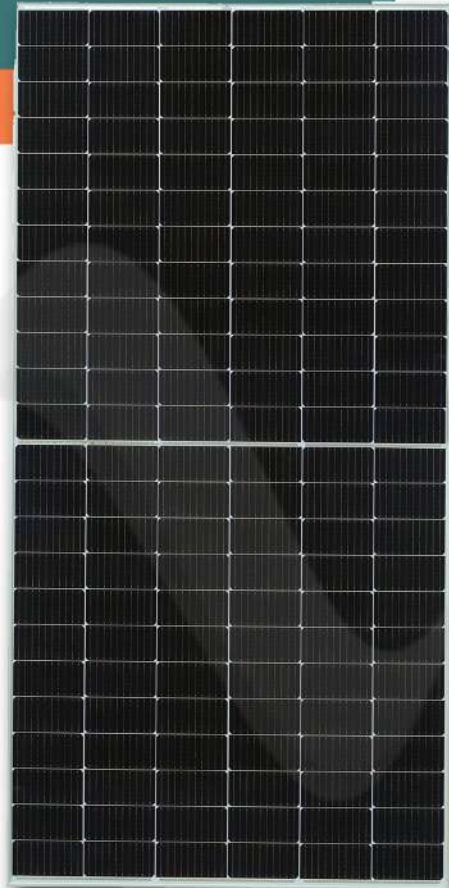


High Efficiency MONO PERC PV MODULE

Efficient. Excellent. Expert.

**144 CUT CELL MODULE
MONO PERC**

540-550 Watt

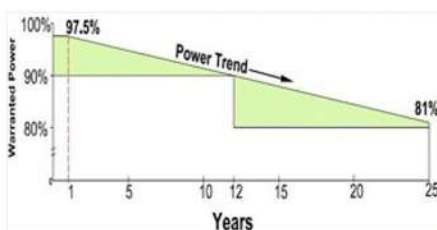


SALIENT FEATURES

- ◉ High Efficiency **Mono crystalline** PERC Cells.
- ◉ **BIS Certified** (IS 14286 & IS/IEC 61730-1.& 2).
- ◉ **Salt Mist Resistance**; Certified for **Severity 6**.
- ◉ **Ammonia Resistance** (IEC 62716).
- ◉ 1500VDC (IEC, UL).
- ◉ **PID resistant** (3 times of IEC Criteria)
- ◉ Micro-crack free
- ◉ Multi stage **100%** in-line **EL passed**
- ◉ Higher energy yield on **field performance**.
- ◉ More than 25 in-house **quality checks**.
- ◉ Positive tolerance up to **+5W**.
- ◉ Best in class material for true **25 years** life.
- ◉ **IEC-61215 & 61730 (2016), UL-61215& 61730 (2017)**.

10 YEAR WARRANTY

90% of rated power for 12 Yrs
81% of Rated power for 25 Yrs.



144
HALF CELLS

182
mm
CELL SIZE


UV RESISTANT


PID RESISTANT


SALT CORROSION RESISTANT


SAND RESISTANT

$\frac{NH_3}{S}$
AMMONIA RESISTANT


HIGHLY STABLE AND TOUGH

SWELECT HHV SOLAR PHOTOVOLTAICS PVT. LTD.

SF. No. 166 & 169, Kuppepalayam Village, Sembagounden Pudur,
Sarkar Samakulam (VIA), Coimbatore - 641107
Ph: 044 24679651 / 044 2467 9612

ELECTRICAL CHARACTERISTICS

Rated power	Pm	W	540	545	550
Open circuit voltage	Voc	V	49.82	49.97	49.99
Maximum power voltage	Vmp	V	41.84	41.98	42.1
Short circuit current	Isc	A	13.68	13.74	14.0
Maximum power current	Imp	A	12.92	12.99	13.07
Module efficiency	η	%	20.79	20.99	21.15
Power tolerance		W		-0 / +4.99	

CONSTRUCTION

Cell / Matrix	144; Mono PERC; 2x(12x6)
Dimension	2285 x 1138 x 35 mm
Weight	27.5 kg
Glass	ARC; Low Iron; Tempered; High Light Transmission; 3.2mm
Junction Box	IP68; Potted
Cable	4mm ² ; Length 450mm (+) / 300mm (-)
Connector	MC4 Compatible
Diode	Schottky Bypass Diodes
Frame	18 μ Anodized aluminum alloy; twin wall profile
Locking	Corner key type

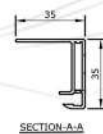
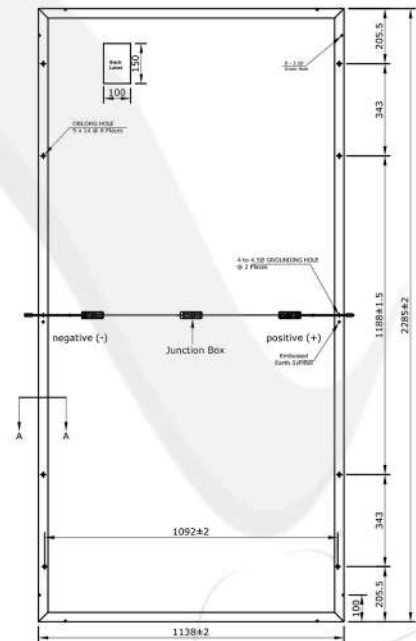
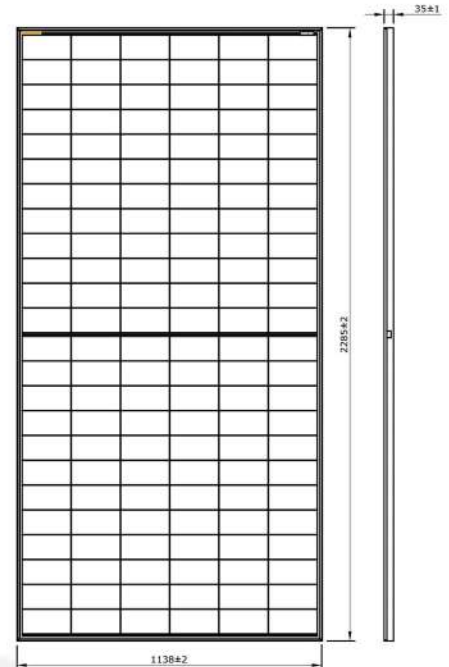
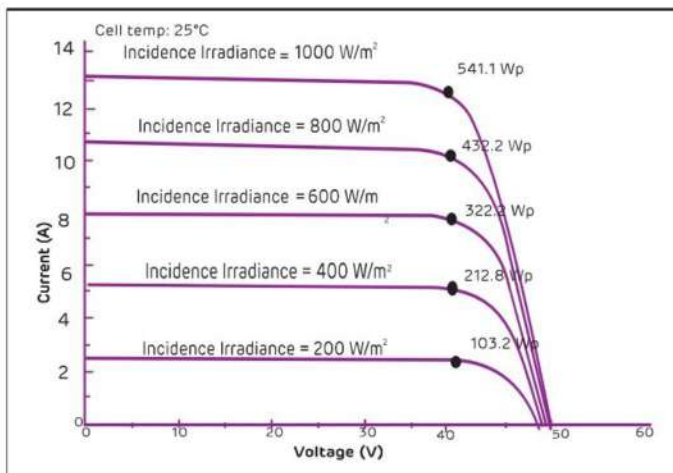
MAXIMUM RATINGS

System Voltage	1500 VDC
Fuse Rating	25 A
Application/Safety	Class A; Protection Class II Fire-C; Type 4
Snow Load	5400 Pa
Wind Load	2400 Pa

TEMPERATURE RATINGS

NOCT	45°C ($\pm 2^\circ\text{C}$)
Tc of Voc	-0.26 %/°C
Tc of Isc	+0.05 %/°C
Tc of Pm	-0.34 %/°C
Operating range	-40°C to +85°C

I-V Curve of 540W at 25°C cell temp. and different Irradiance level



Note: Design and Specifications are subject to change without notice. Electrical Parameters measured at STC only (at 25°C, 1000W/M²). Please refer to installation manual and strictly adhere to instruction / guidelines to qualify for warranty.


swelect
 Stay powerful when sun shines. And thereafter...

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