

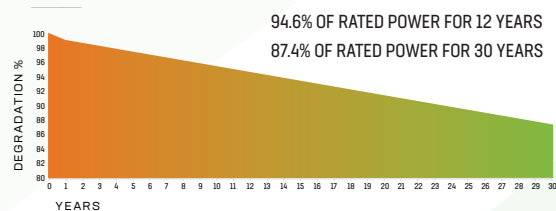
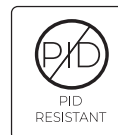
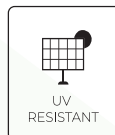
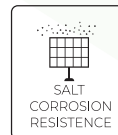


EFFICIENT EXCELLENT ENERGY++

HIGH EFFICIENCY
TOPCON
PV MODULE
Celestia



MONOFACIAL PV MODULES
N -TYPE 120 HALF CUT
460 - 485 Wp



16BB HALF - CUT CELL TECHNOLOGY

New circuit design, lower internal current, lower resistive losses, energy yield is higher.

LOWER THE RISK OF HOT SPOT

Special circuit design with a much lower hot spot temperature.

EXCELLENT QUALITY & ENHANCED RELIABILITY

More than 14+ years' experience of manufacturing and intensive 40+ quality tests above the IEC standard ensures reliable modules.

SUPER STRONG FRAME

Module certified to withstand extreme wind (2400 Pascal) and snow loads (5400 Pascal) with 18 microns anodization thickness.

EXCELLENT LOW LIGHT & ANTI - PID PERFORMANCE

Tested 3 times of IEC TS 62804.



SWELECT's solar modules meet global quality and safety standards, including IEC, UL, CAN, CEC, BIS, BEE and RoHS.

Comprehensive Product & System Certificates*

- ✓ BIS Certified (IS 14286 & IS/IEC 61730 - 1&2)
- ✓ IEC 61215: Design qualification and type approval
- ✓ IEC 61730: Module safety qualification
- ✓ IEC TS 62804: Potential Induced Degradation (PID)
- ✓ IEC 61701: Salt Mist Corrosion Test
- ✓ IEC 62716: Ammonia Corrosion Test
- ✓ ISO 9001: Quality Management System
- ✓ ISO 14001: Environmental Management System
- ✓ ISO 45001: Occupational Health and Safety Management Systems
- ✓ ISO 50001: Energy Management System


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

Electrical Characteristics Bi-Facial Gain @ Different Albedo %

ELECTRICAL CHARACTERISTICS	RATE POWER (P _{max})	OPEN CIRCUIT VOLTAGE (V _{oc})	MAXIMUM POWER VOLTAGE (V _{mp})	SHORT CIRCUIT CURRENT (I _{sc})	MAXIMUM POWER CURRENT (I _{mp})	MODULE EFFICIENCY η (%)
SWT15BN2460	460	43.35	36.05	13.51	12.78	21.25
SWT15BN2465	465	43.47	36.20	13.58	12.85	21.48
SWT15BN2470	470	43.59	36.35	13.65	12.94	21.71
SWT15BN2475	475	43.71	36.50	13.72	13.02	21.94
SWT15BN2480	480	43.83	36.67	13.79	13.09	22.17
SWT15BN2485	485	43.95	36.84	13.86	13.17	22.40

TEMPERATURE RATINGS		MAXIMUM RATINGS	
NOCT	45°C ±2°C	System Voltage	1500 V _{dc}
T _c of V _{oc}	-0.25%/°C	Fuse Rating	25 A
T _c of I _{sc}	+0.046%/°C	Application / Safety	Class A; Protection Class II Fire - C; Type 4
TC of Power	-0.29%/°C	Snow Load	5400 Pa
Operating Range	-40°C to +85°C	Wind Load	2400 Pa
Power Binning	-0/+4.99W		

CONSTRUCTION	
Cell / Matrix	N-Type Topcon Cells; 120,2 x (10 x 6)
Dimension	1909 x 1134 x 35 mm
Weight	23 kg
Glass	ARC; Low Iron; Tempered; High Light Transmission; 3.2 mm
Encapsulation	High Volume Resistivity and Low MVTR
Substrate	White Backsheet
Frame	15μ Anodized Aluminium Alloy; Twin Wall Profile
Diode	Schottky Bypass Diodes
Locking	Corner Key Type
Junction Box	IP68; Junction Box
Cable	4 mm ² ; (+ ve) 300mm, (- ve) 250mm Cable Length (Customized cable length available on request)
Connector	MC4 Compatible

PACKING CONFIGURATION		
Container	20 feet (open type)	40 feet ('HC)
Pieces per Pallet	31	31
Pallets per Container	12	24
Pieces per Container	372	744

Note: Design & Specifications are subjected to change without notice. Electrical Parameters measured at STC only (at 25°C, 1000 W / m²). Test uncertainty for P_{mp} ±3%. Please refer to installation manual and strictly adhere to instruction / guidelines to qualify for warranty terms.

Celebrating **40** years
swelectes.com

12 YEARS WARRANTY FOR MATERIALS & PROCESSING

30 YEARS WARRANTY FOR LINEAR POWER OUTPUT

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Stay powerful when sun shines. And thereafter...

SWELECT ENERGY SYSTEMS LIMITED

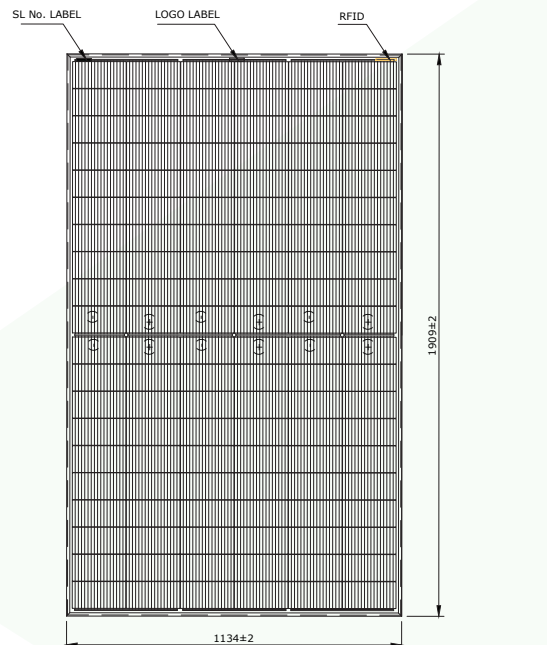
SWELECT HOUSE

No 5, Sir P. S. Sivasamy Salai, Mylapore, Chennai- 600 004.
Tamil nadu, India. info@swelectes.com | +9144 24993266

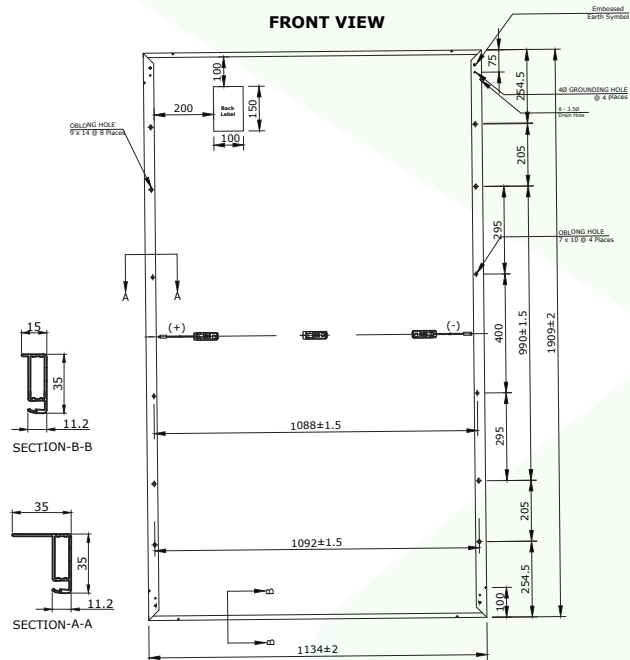
PV MODULE MANUFACTURING PLANT

SWELECT HHV SOLAR PHOTOVOLTAICS PRIVATE LIMITED

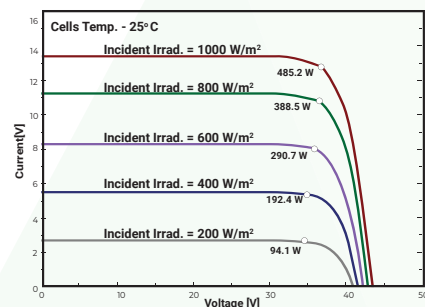
No.169,166, Sembagoundan Pudur, Kuppeplayam Village,
Coimbatore North Taluk, Coimbatore District, Tamil Nadu - 641 107.



FRONT VIEW



BACK VIEW



I-V Curve of 485 W at 25°C cell temp and different irradiance level

SCAN QR CODE FOR
PRODUCT CATALOGS

