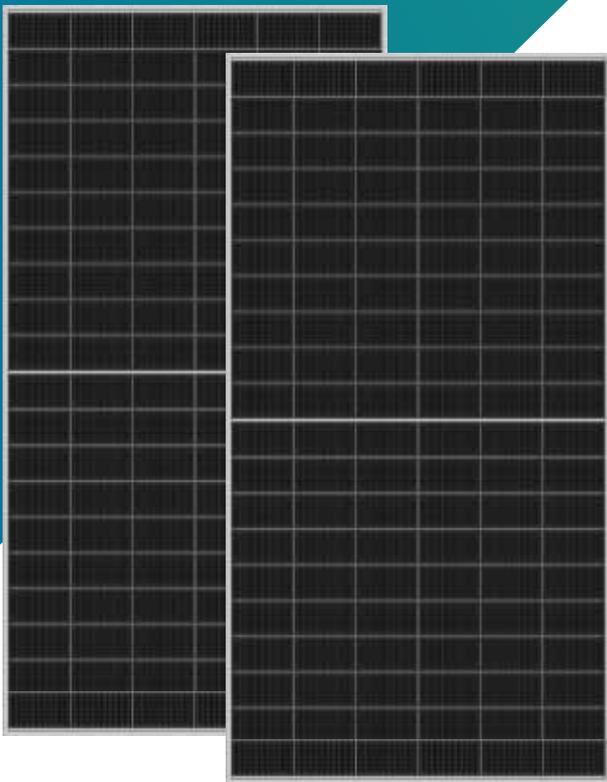


EFFICIENT EXCELLENT ENERGY++

HIGH EFFICIENCY
TOPCon
PV MODULE
Nexora



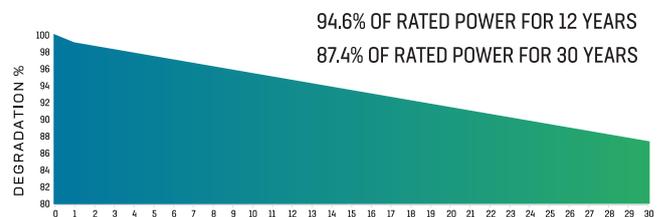
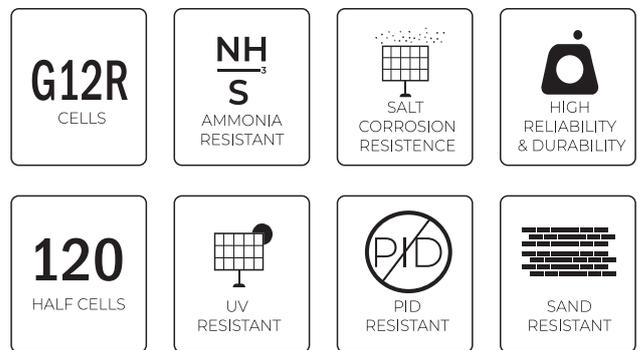
SWELECT's solar modules meet global quality and safety standards, including IEC, UL, CAN, BIS, BEE & RoHS.

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



**BIFACIAL PV MODULES
N -TYPE 120 HALF CUT
545 - 570 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 15 microns anodization thickness

EXCELLENT LOW LIGHT & ANTI - PID PERFORMANCE

Tested 3 times of IEC TS 62804

MODEL NUMBER	RATE POWER (P _{max}) W _p	OPEN CIRCUIT VOLTAGE (V _{oc}) V	MAXIMUM POWER VOLTAGE (V _{mp}) V	SHORT CIRCUIT CURRENT (I _{sc}) A	MAXIMUM POWER CURRENT (I _{mp}) A	MODULE EFFICIENCY (η) %
SWT35BG2545	545	45.20	38.24	15.25	14.26	22.14
	10%	45.20	38.24	16.67	15.68	24.35
	25%	45.20	38.24	18.81	17.82	27.67
	40%	45.20	38.24	20.94	19.95	30.99
SWT35BG2550	550	45.40	38.42	15.31	14.32	22.34
	10%	45.40	38.42	16.74	15.75	24.57
	25%	45.40	38.42	18.88	17.89	27.93
	40%	45.40	38.42	21.03	20.04	31.28
SWT35BG2555	555	45.60	38.60	15.37	14.38	22.54
	10%	45.60	38.60	16.81	15.82	24.80
	25%	45.60	38.60	18.96	17.97	28.18
	40%	45.60	38.60	21.12	20.13	31.56
SWT35BG2560	560	45.80	38.79	15.43	14.44	22.75
	10%	45.80	38.79	16.87	15.88	25.02
	25%	45.80	38.79	19.04	18.05	28.43
	40%	45.80	38.79	21.20	20.21	31.85
SWT35BG2565	565	46.00	38.98	15.49	14.50	22.95
	10%	46.00	38.98	16.93	15.94	25.24
	25%	46.00	38.98	19.11	18.12	28.69
	40%	46.00	38.98	21.28	20.29	32.13
SWT35BG2570	570	46.20	39.18	15.55	14.56	23.15
	10%	46.20	39.18	16.99	16.00	25.47
	25%	46.20	39.18	19.18	18.19	28.94
	40%	46.20	39.18	21.36	20.37	32.41

TEMPERATURE RATINGS	
NOCT	45°C ±2°C
T _c of V _{oc}	-0.249%/°C
T _c of I _{sc}	+0.068%/°C
T _c of Power	-0.260%/°C
Operating Range	-40°C to +85°C
Power Binning	-0/+4.99W

MAXIMUM RATINGS	
System Voltage	1500 V _{dc}
Fuse Rating	35 A
Protection Class	Class II
Fire Type	Type 4, Class C
Snow Load	5400 Pa
Wind Load	2400 Pa
Bifaciality Factor	80±5%

CONSTRUCTION	
Cell / Matrix	G12R N- Type TOPCon Cells; 120, 2 x (10x6)
Dimension	2171 x 1134 x 35 mm
Weight	31.8 (± 5%) kg
Superstrate	2.0mm, Low Iron, High Light transmission, ARC Semi Tempered Glass
Encapsulation	High Volume Resistivity and Low MVTR
Substrate	2.0mm, Low Iron, High Light Transmission, Semi Tempered Glass/Mesh Glass
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) 300mm Cable Length (Customized cable length available on request)
Connector	MC4 Compatible

PACKING CONFIGURATION		
Container	20 feet (HC)	40 feet (HC)
Pieces per Pallet	31	31
Pallets per Container	8	20
Pieces per Container	248	620

12 YEARS WARRANTY
FOR MATERIALS & PROCESSING

30 YEARS WARRANTY
FOR LINEAR POWER OUTPUT

* Specifications in the datasheets are subjected to change without prior notice owing to continuous innovation in the Product Development



SWELECT ENERGY SYSTEMS LIMITED

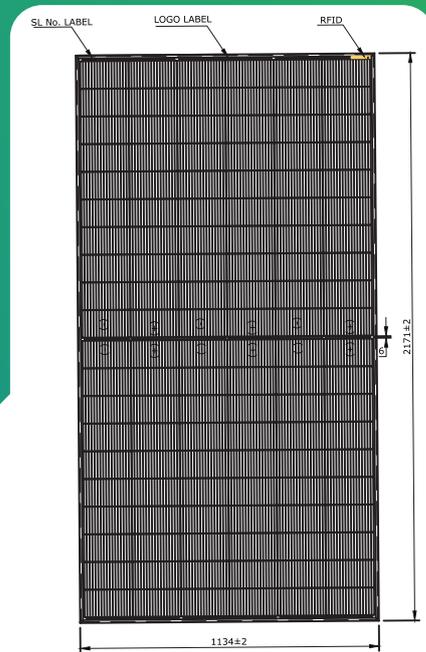
SWELECT HOUSE

No.5, Sir P. S. Sivasamy Salai, Mylapore, Chennai - 600 004
Tamil nadu, India | info@swelectes.com | +91 44 24993266

PV MODULE MANUFACTURING PLANT

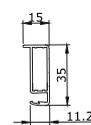
SWELECT HHV SOLAR PHOTOVOLTAICS PRIVATE LIMITED

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

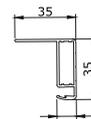


SIDE VIEW

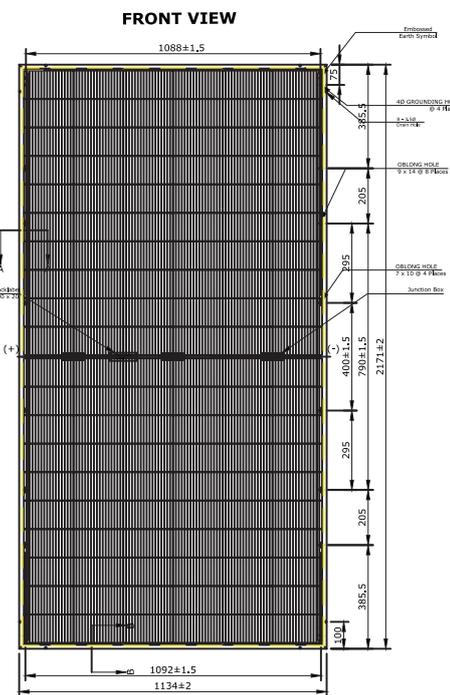
FRONT VIEW



SECTION-B-B

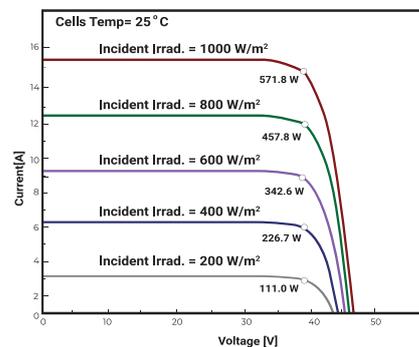


SECTION-A-A



BACK VIEW

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.



I-V Curve of 570W at 25°C cell temp and different Irradiance level

SCAN QR CODE FOR
PRODUCT CATALOGS



swelectes.com