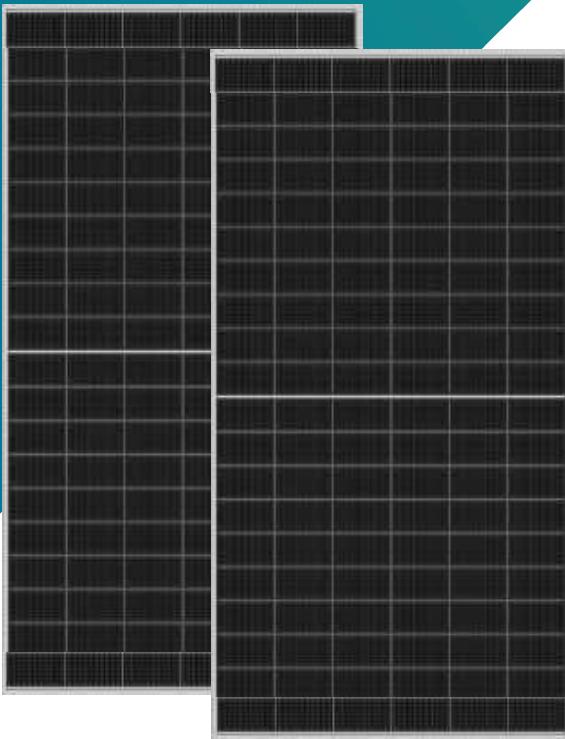


EFFICIENT EXCELLENT ENERGY++

HIGH EFFICIENCY
TOPCon
PV MODULE
Nexora



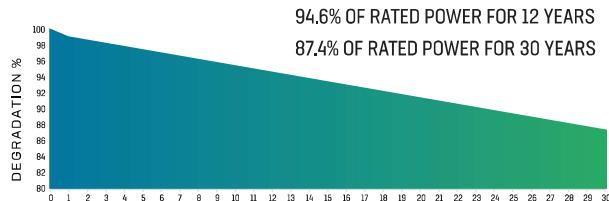
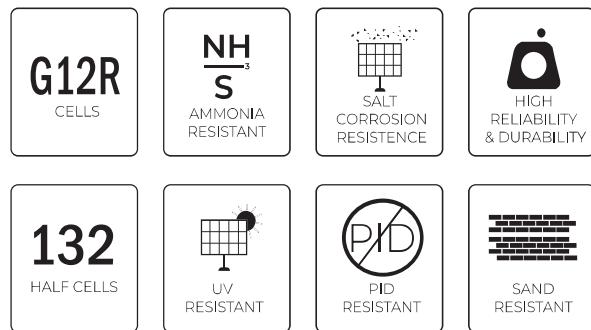
SWELECT's solar modules meet global quality and safety standards, including IEC, UL, CAN/BIS, BEE & RoHS.

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 132 HALF CUT
605 - 630 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 _m) V	SHORT CIRCUIT CURRENT (I _{sc}) A	MAXIMUM POWER CURRENT (I _{mp}) A	MODULE EFFICIENCY (η) %
SWT35BG4605	605	48.35	40.62	15.90	14.91	22.40
	10%	48.35	40.62	17.37	16.38	24.64
	25%	48.35	40.62	19.61	18.62	28.00
	40%	48.35	40.62	21.84	20.85	31.36
SWT35BG4610	610	48.55	40.82	15.96	14.96	22.58
	10%	48.55	40.82	17.44	16.44	24.84
	25%	48.55	40.82	19.68	18.68	28.23
	40%	48.55	40.82	21.92	20.92	31.62
SWT35BG4615	615	48.75	41.02	16.02	15.01	22.77
	10%	48.75	41.02	17.50	16.49	25.04
	25%	48.75	41.02	19.75	18.74	28.46
	40%	48.75	41.02	22.00	20.99	31.87
SWT35BG4620	620	48.95	41.22	16.08	15.06	22.95
	10%	48.95	41.22	17.57	16.55	25.25
	25%	48.95	41.22	19.82	18.80	28.69
	40%	48.95	41.22	22.08	21.06	32.13
SWT35BG4625	625	49.15	41.42	16.14	15.11	23.14
	10%	49.15	41.42	17.63	16.60	25.45
	25%	49.15	41.42	19.89	18.86	28.92
	40%	49.15	41.42	22.16	21.13	32.39
SWT35BG4630	630	49.35	41.62	16.20	15.16	23.32
	10%	49.35	41.62	17.69	16.65	25.66
	25%	49.35	41.62	19.96	18.92	29.15
	40%	49.35	41.62	22.23	21.19	32.65

TEMPERATURE RATINGS		MAXIMUM RATINGS	
NOCT	45°C ±2°C	System Voltage	1500 V _{dc}
T _c of V _{oc}	-0.249%/°C	Fuse Rating	35 A
T _c of I _{sc}	+0.068%/°C	Protection Class	Class II
T _c of Power	-0.260%/°C	Fire Type	Type 4, Class C
Operating Range	-40°C to +85°C	Snow Load	5400 Pa
Power Binning	-0/+4.99W	Wind Load	2400 Pa
		Bifaciality Factor	80±5%

CONSTRUCTION	
Cell / Matrix	G12R N- Type TOPCon Cells; 132,2 x [11 x 6]
Dimension	2382 x 1134 x 35 mm
Weight	35 (± 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	16
Pieces per Container	248	496

12 YEARS WARRANTY
FOR MATERIALS & PROCESSING

30 YEARS WARRANTY
FOR LINEAR POWER OUTPUT

* Specifications in the datasheets are subjected to change without notice. Electrical Parameters measured in STC only (at 25°C, 1000 W/m²), test uncertainty for Pmp ±3% Please refer to installation manual and strictly adhere to instruction / guidelines to qualify for warranty terms.

swelect
Powering the world responsibly

Celebrating
40
years

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

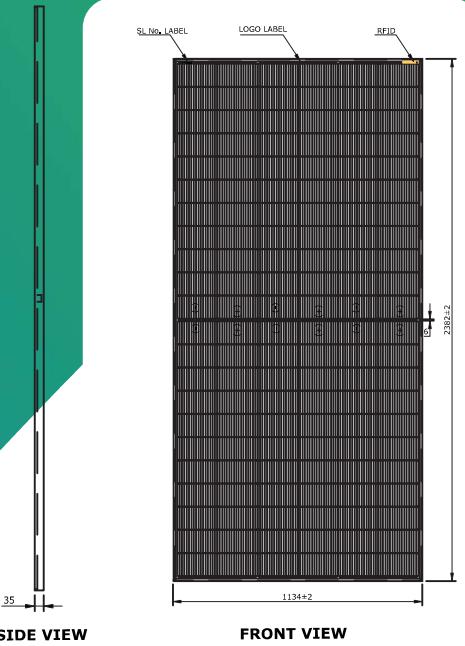
SWELECT HHV SOLAR PHOTOVOLTAICS PRIVATE LIMITED

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

SCAN QR CODE FOR
PRODUCT CATALOGS

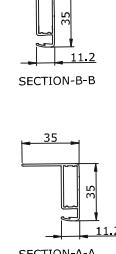


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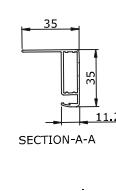


SIDE VIEW

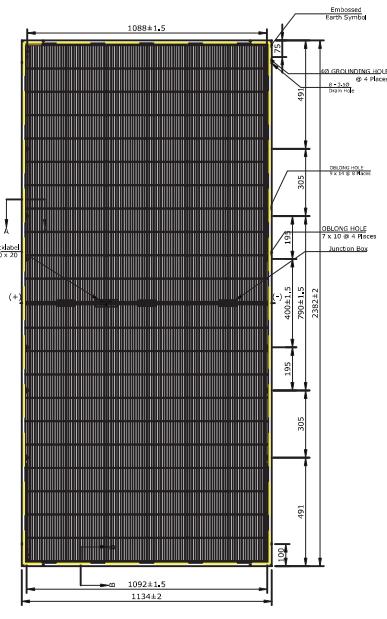
FRONT VIEW



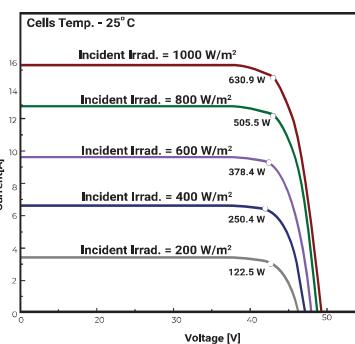
SECTION-B-B



SECTION-A-A



BACK VIEW



I-V Curve of 630W at 25°C cell temp and different Irradiance level

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