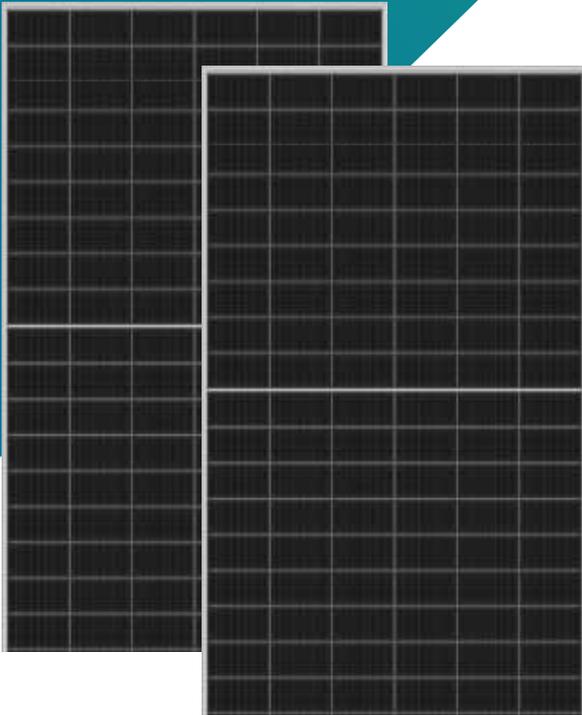


EFFICIENT EXCELLENT ENERGY++

HIGH EFFICIENCY
TOPCon
PV MODULE
Nexora



**BIFACIAL PV MODULES
N -TYPE 108 HALF CUT
495 - 520 Wp**

G12R
CELLS

NH
S

AMMONIA
RESISTANT



SALT
CORROSION
RESISTANCE



HIGH
RELIABILITY
& DURABILITY

108

HALF CELLS



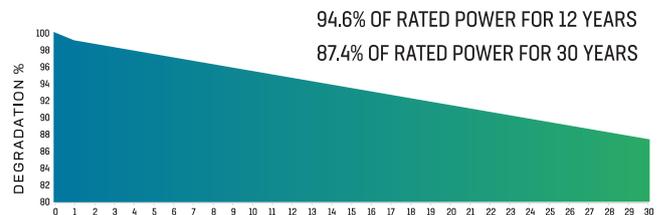
UV
RESISTANT



PID
RESISTANT



SAND
RESISTANT



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



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

 **swelect**
Powering the world responsibly

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) %
SWT35BG0495	495	39.99	34.21	15.55	14.48	22.28
	10%	39.99	34.21	16.99	15.92	24.51
	25%	39.99	34.21	19.16	18.09	27.85
	40%	39.99	34.21	21.33	20.26	31.20
SWT35BG0500	500	40.19	34.41	15.61	14.54	22.51
	10%	40.19	34.41	17.05	15.98	24.76
	25%	40.19	34.41	19.23	18.16	28.13
	40%	40.19	34.41	21.41	20.34	31.51
SWT35BG0505	505	40.39	34.61	15.67	14.60	22.73
	10%	40.39	34.61	17.12	16.05	25.01
	25%	40.39	34.61	19.31	18.24	28.42
	40%	40.39	34.61	21.50	20.43	31.83
SWT35BG0510	510	40.59	34.81	15.73	14.66	22.96
	10%	40.59	34.81	17.19	16.12	25.25
	25%	40.59	34.81	19.38	18.31	28.70
	40%	40.59	34.81	21.58	20.51	32.14
SWT35BG0515	515	40.79	35.01	15.79	14.72	23.18
	10%	40.79	35.01	17.25	16.18	25.50
	25%	40.79	35.01	19.46	18.39	28.98
	40%	40.79	35.01	21.66	20.59	32.46
SWT35BG0520	520	40.99	35.21	15.85	14.78	23.41
	10%	40.99	35.21	17.32	16.25	25.75
	25%	40.99	35.21	19.53	18.46	29.26
	40%	40.99	35.21	21.75	20.68	32.77

TEMPERATURE RATINGS	
NOCT	45°C ±2°C
To of V _{oc}	-0.249%/°C
To of I _{sc}	+0.068%/°C
To 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, Class C
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; 108, 2 x (9 x 6)
Dimension	1959 x 1134 x 35 mm
Weight	28.7 (± 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

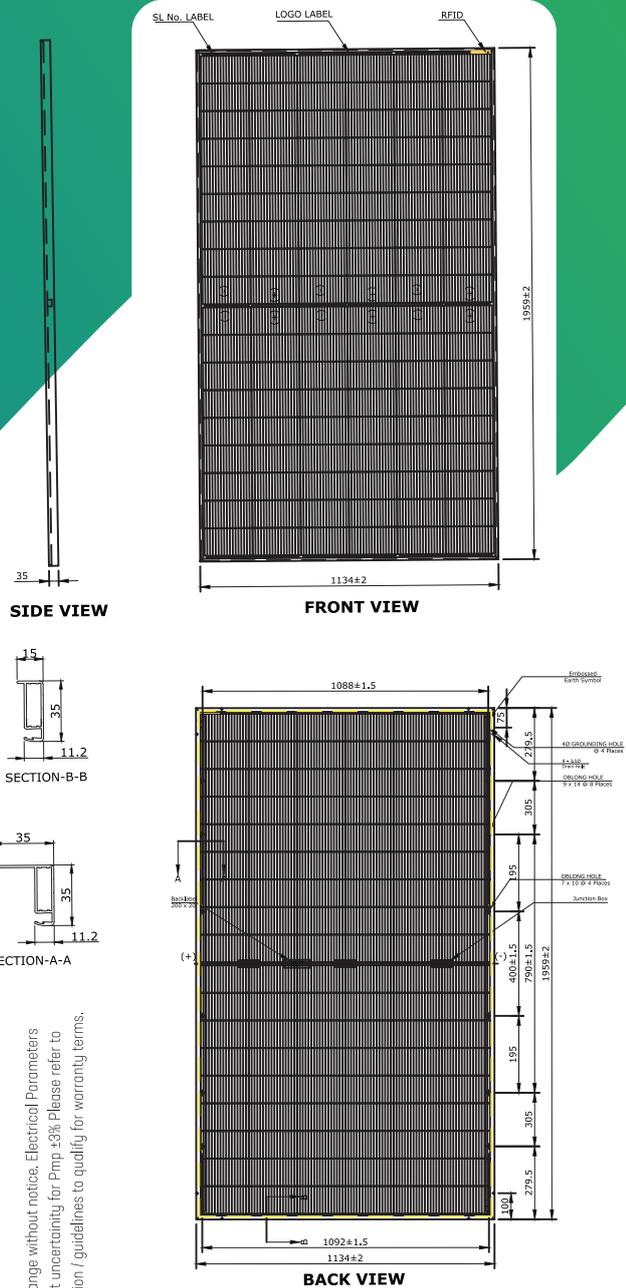
PACKING CONFIGURATION		
Container	20 feet (HC)	40 feet (HC)
Pieces per Pallet	31	31
Pallets per Container	8	24
Pieces per Container	248	744



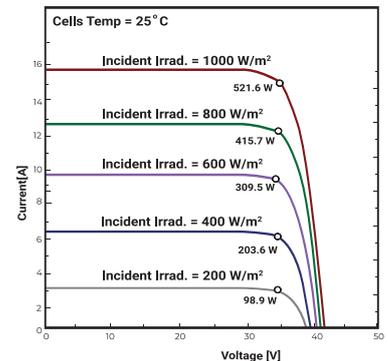
12 YEARS WARRANTY
FOR MATERIALS & PROCESSING

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



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 520W at 25°C cell temp and different Irradiance level

SWELECT ENERGY SYSTEMS LIMITED

SWELECT HOUSE

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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

SCAN QR CODE FOR
PRODUCT CATALOGS



swelectes.com