

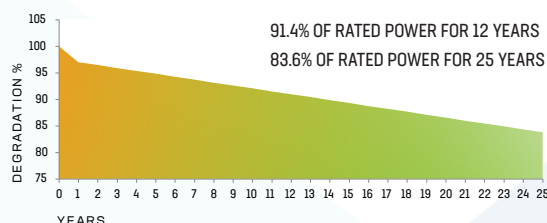
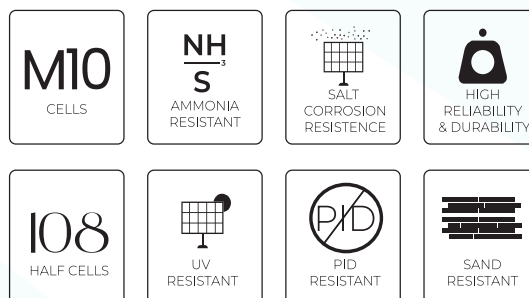
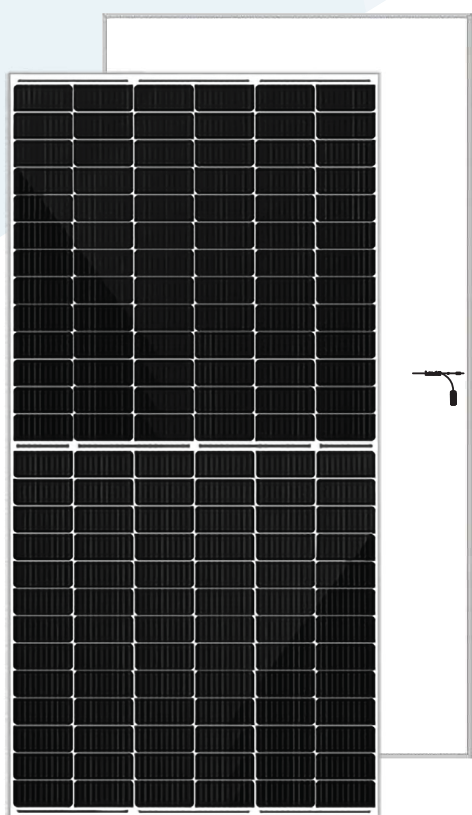
# EFFICIENT EXCELLENT ENERGY++

HIGH EFFICIENCY  
MONO PERC  
PV MODULE  
TeSirius



MONOFACIAL PV MODULES P-TYPE 108 HALF CUT

## 390 - 410 Wp



### 10BB 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, MCS, CEC, and BIS.

### 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

\*Some are under process

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

ELECTRICAL CHARACTERISTICS		SWM11BN 0390	SWM11BN 0395	SWM11BN 0400	SWM11BN 0405	SWM11BN 0410
RATED POWER (P <sub>max</sub> )	Wp	390	395	400	405	410
OPEN CIRCUIT VOLTAGE (V <sub>oc</sub> )	V	37.10	37.32	37.54	37.76	37.98
MAXIMUM POWER VOLTAGE (V <sub>mp</sub> )	V	31.04	31.25	31.47	31.69	31.91
SHORT CIRCUIT CURRENT (I <sub>sc</sub> )	A	13.40	13.47	13.52	13.57	13.62
MAXIMUM POWER CURRENT (I <sub>mp</sub> )	A	12.59	12.67	12.72	12.8	12.88
MODULE EFFICIENCY (η)	%	19.97	20.23	20.48	20.74	21.00
POWER BINNING	W			-0/ +4.99		

#### TEMPERATURE RATINGS

NOCT	45°C ± 2°C
T <sub>c</sub> of V <sub>oc</sub>	-0.27%/°C
T <sub>c</sub> of I <sub>sc</sub>	+0.04%/°C
T <sub>c</sub> of P <sub>max</sub>	-0.36%/°C
Operating Range	-40°C +85°C

#### MAXIMUM RATINGS

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

#### CONSTRUCTION

Cell / Matrix	108; Mono PERC monofacial Half cut 2 x (9 x 6)
Dimension	1722 x 1134 x 35 mm
Weight	21.5 kg
Glass	ARC; Low Iron; Tempered; High Light Transmission; 3.2 mm
Junction Box	IP68; Potted
Cable	4 mm <sup>2</sup> ; 500 mm Cable Length (Customized Length upto 1000 mm)
Connector	MC4 Compatible
Diode	Schottky Bypass Diodes
Frame	18 μ Anodized aluminum alloy; twin wall profile
Locking	Corner key type
Encapsulation	High Volume Resistivity and Low MVTR
Substrate	White Backsheet

#### PACKING CONFIGURATION

Container	20 feet (open type)	40 feet ('HC)
Pieces per Pallet	29	29
Pallets per Container	12	24
Pieces per Container	348	696

Note: Design & Specifications are subjected to change without notice. Electrical Parameters measured at STC only (at 25°C, 1000 W / m<sup>2</sup>). Test uncertainty for P<sub>mp</sub> ±3% Please refer to installation manual and strictly adhere to instruction / guidelines to qualify for warranty terms.

Celebrating  
**40**  
years

**12** YEARS  
WARRANTY

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#### SWELECT ENERGY SYSTEMS LIMITED

##### SWELECT HOUSE

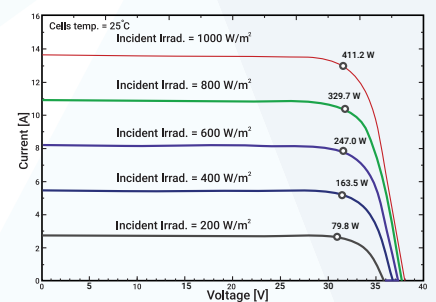
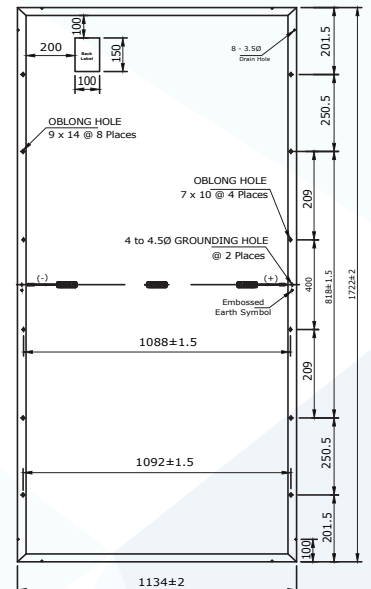
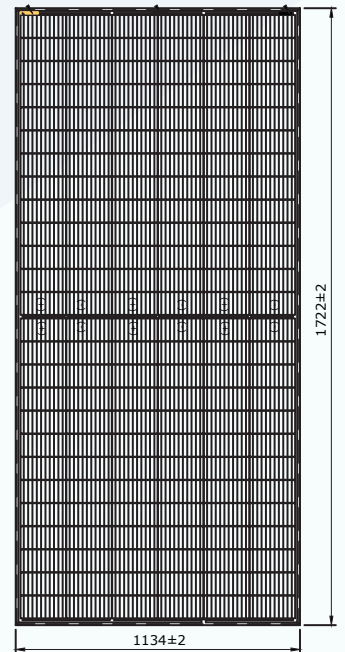
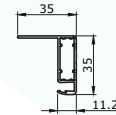
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##### PV MODULE MANUFACTURING PLANT

##### SWELECT HHV SOLAR PHOTOVOLTAICS PRIVATE LIMITED

SF NO.169, Sembagounden Pudur, No.51, Kuppepalayam Village,  
Coimbatore - 641 107. Tamil nadu, India.

SCAN QR CODE FOR  
PRODUCT CATALOGS



I-V Curve of 410W at 25°C cell temp. and different irradiance level