

High Efficiency **MONO PERC PV MODULE**

TeSirius – *Efficient. Excellent. Energy++*

Bifacial PV Modules P-Type 144 HALF CUT

530 – 550 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

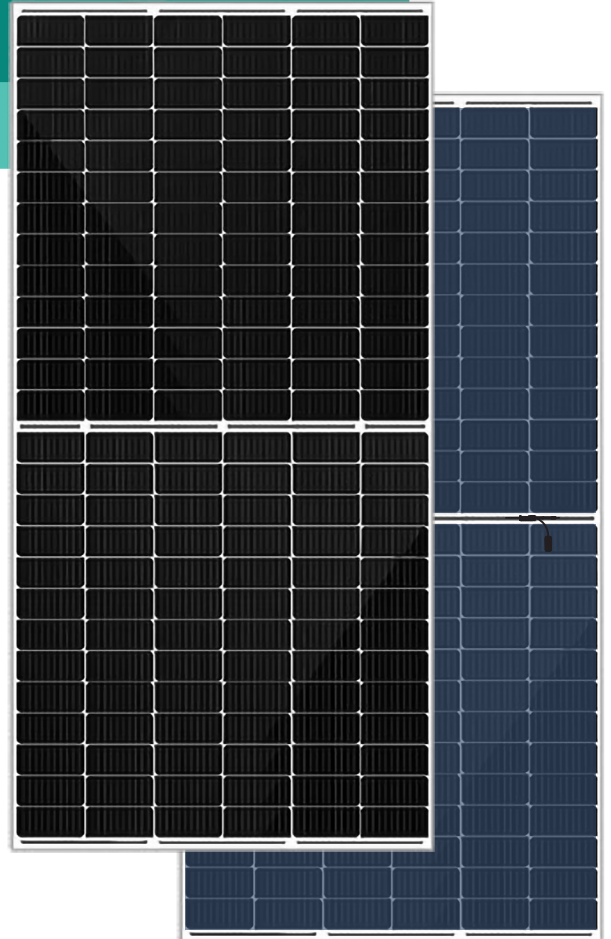
Super strong frame

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

Excellent low light performance

Excellent Anti-PID Performance

Tested 3 times of IEC TS 62804



Comprehensive Product and System Certificates*

- 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
- BIS Certified (IS 14286 & IS/IEC 61730 - 1&2)

*Some are under process

91.4% of rated power for 12 years
83.6% of rated power for 25 years

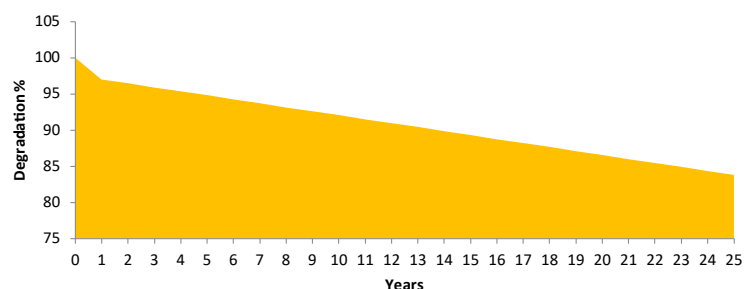


Diagram illustrating the front view of the container. The container is rectangular with a grid pattern. Dimensions are indicated: 1134 ± 2 (width) and 2278 ± 2 (height). Labels are positioned at the top: RFID (top left), LOGO LABEL (top center), and SL. No. LABEL (top right).

MAXIMUM RATINGS	
System Voltage	1500 V _{dc}
Fuse Rating	30 A
Application / Safety	Class A; Protection Class II Fire - C; Type 4
Snow Load	5400 Pa
Wind Load	2400 Pa
Bifaciality Factor	70±5%

Cells temp. = 25°C

Incident Irrad. = 1000 W/m² 551.4 W

Incident Irrad. = 800 W/m² 440.9 W

Incident Irrad. = 600 W/m² 329.3 W

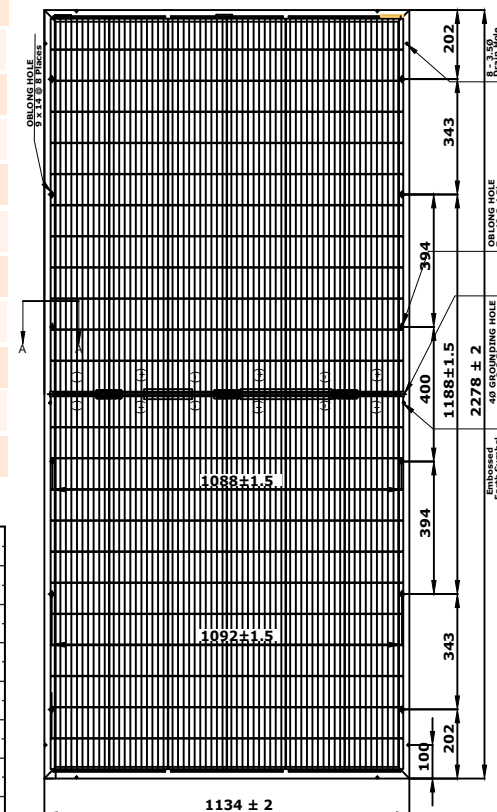
Incident Irrad. = 400 W/m² 217.2 W

Incident Irrad. = 200 W/m² 105.5 W

Current [A]

Voltage [V]

I-V Curve of 550W at 25°C cell temp, and different irradiance level



SWELECT HHV SOLAR PHOTOVOLTAICS PVT. LTD