

MONO PERC BIFICIAL MODULE

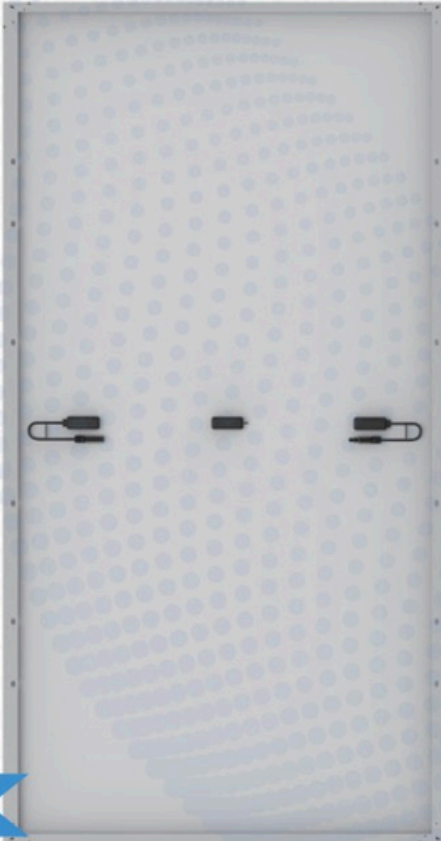
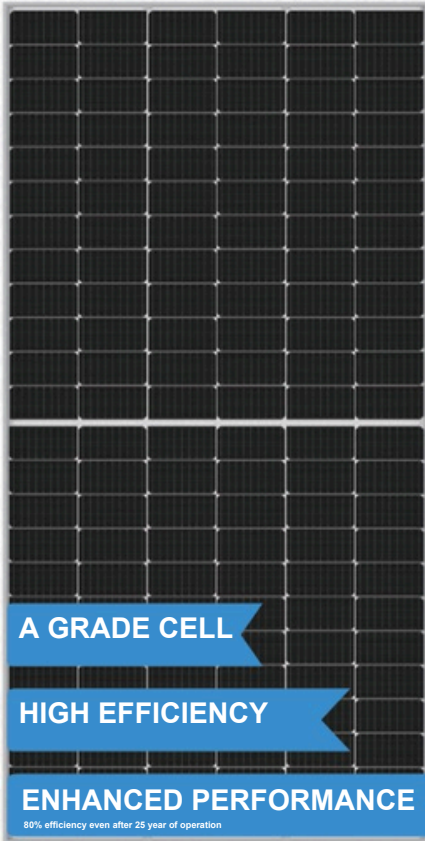
550WP

550W-570W
Power Output Range

0/+2W
Positive Power Tolerance

144 CELL
Mono Half Cut Module

upto 22.50%
Maximum Efficiency



A GRADE CELL

HIGH EFFICIENCY

ENHANCED PERFORMANCE

80% efficiency even after 25 year of operation

WHY BLUTH SOLAR



Withstanding Harsh Environment
Reliable quality leads to a better sustainability even in harsh environment like desert, farm and coastline.



Low-light Performance
Advanced glass and solar cell surface texturing allow for excellent performance in low-light environments.



High Efficiency
High module conversion efficiency (up to 22.50%), through innovative manufacturing technology.



Severe Weather Resilience
Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).



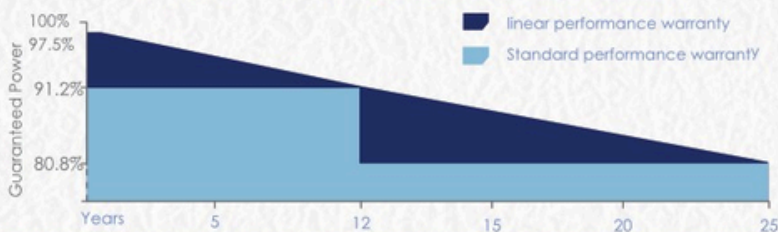
Higher Quality Assurance
100% EL test.
EL test, providing higher quality assurance



Maximized Energy Harvest
Impedance matching technology eliminates mismatch losses, more power from each module bin.

LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty | 25 Year Linear Power Warranty



Electrical Characteristics

STC	SNS144CM550Wp-SNS144CM570Wp
Maximum Power at STC (Pmax)	550W
Optimum Operating Voltage (Vmp)	42.05V
Optimum Operating Current (Imp)	13.08A
Open Circuit Voltage (Voc)	49.88V
Short Circuit Current (Isc)	14.11A
Module Efficiency	21.29%
Operating Module Temperature	-40 °C to +85 °C
Maximum System Voltage	1500 V DC (IEC)
Maximum Series Fuse Rating	30 A
Power Tolerance	Positive

STC: Irradiance 1000 W/m² module temperature 25 °C, AM=1.5;
Tolerance of Pmax is within +/- 3% ;

NMO

Maximum Power at NMOT (Pmax)	408W
Optimum Operating Voltage (Vmp)	39.74V
Optimum Operating Current (Imp)	10.27A
Open Circuit Voltage (Voc)	47.09V
Short Circuit Current (Isc)	11.08A

NMOT: Irradiance 800 W/m², ambient temperature 20 °C, AM=1.5, wind speed 1 m/s.

Temperature Characteristics

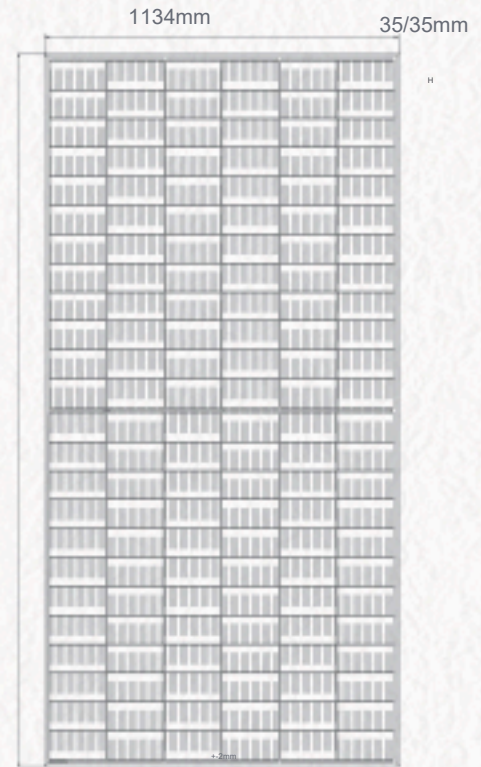
Nominal Module Operating Temperature (NMOT)	42 ± 2 °C
Temperature Coefficient of Pmax	-0.320%/°C
Temperature Coefficient of Voc	-0.260%/°C
Temperature Coefficient of Isc	0.046%/°C

Mechanical Characteristics

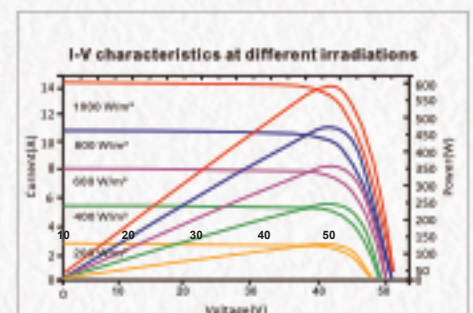
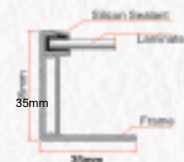
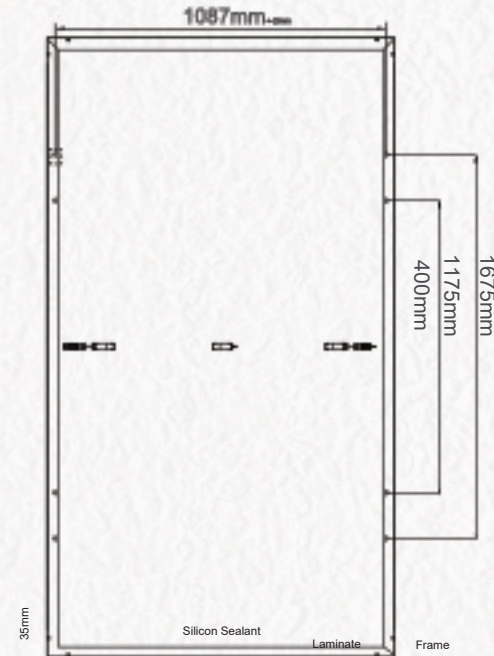
Solar Cell	91mmx182 mm
No. of Cells	144 (6 × 24)
Dimensions	2278 × 1134 × 35 mm
Weight	30.00 kgs
Front Glass	3.2 mm fully tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP68 rated
Output Cables	4.0 mm ²
Connectors	Mc4

Packing Information

Modules Per Pallet	31 Modules
Total Pallet	20 Pallets
Total Modules 40 Ft HQ container	620 Modules



2278mm



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