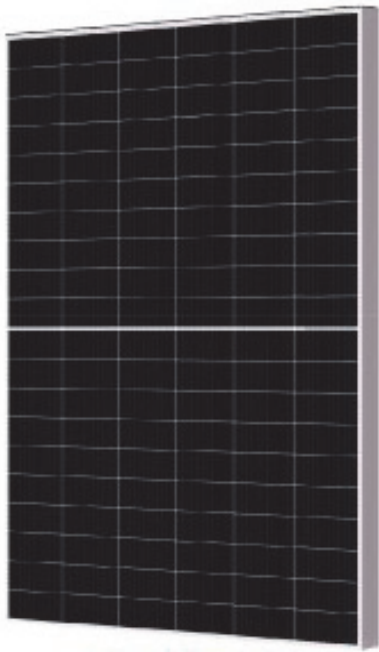




SALO 490W-500W TopCon

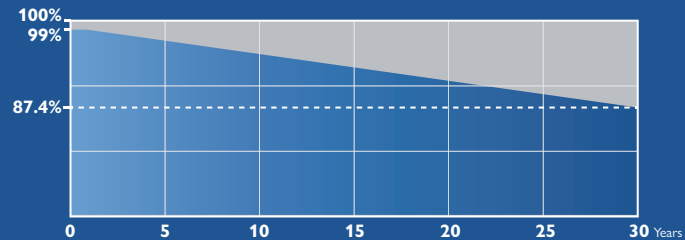
N-Type / Half-Cut

LINEAR PERFORMANCE WARRANTY

15 Years
Product Warranty on
Materials and Workmanship

30 Years
Linear Performance Warranty

0.40%
Subsequent Annual Degradation



GLASS

Anti-reflective coating, low iron content, high solar transmittance



CELLS

High efficiency, top quality, cell thickness $130 \pm 40 \mu\text{m}$



BUSBAR

High quality, over 80% copper content, softer material to reduce cell breakage



FRAME

Min. 35mm aluminium frames with $15 \mu\text{m}$ anodized film, assembled with 2-component glue



BACKSHEET

Safe and reliable 3-layer sheet, 1000 and 1500V electric insulation



ENCAPSULANT

Designed to optimize module durability and performance, PID resistant



MADE IN THAILAND

responsibly by a Thai-Finnish solar company, using fully automated Finnish production lines.

500W

**MAXIMUM
POWER OUTPUT**

22.2%

**MAXIMUM
EFFICIENCY**

0~+5W

**POWER OUTPUT
TOLERANCE**



High Power Output

Enhanced light capture and current collection for improved power output and module reliability.



Outstanding Low-Light Performance

Greater power output even in low-light conditions, such as on cloudy or foggy days.



Zero LID (Light Induced Degradation)

The N-type solar cell has no LID naturally which can increase power generation.



Superior Temperature Coefficient

Enhanced power output in operational environments, made possible by passivating contact cell technology.



PID Resistance

Optimized mass-production process and material control ensure outstanding Anti-PID performance.



Enhanced Mechanical Load

Certified to endure wind loads up to 2400 Pascal and snow loads up to 5400 Pascal.

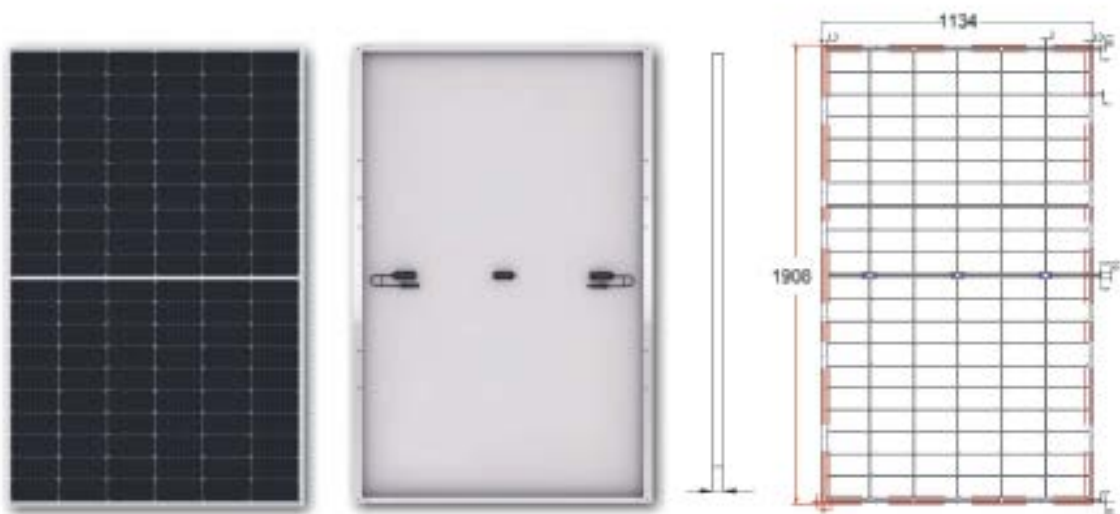


Durable in Extreme Environments

Dependable quality ensures greater sustainability, even in challenging environments such as deserts, farms, and coastlines.



SALO 490W-500W TopCon



MECHANICAL CHARACTERISTICS

Length	1908 mm
Width	1134 mm
Depth	35 mm
Weight	27.4 kg
Cable Cross Section Size	4 mm ²
No. of Cells and Connections	120 (6x20)
Cell Size	91 x 182 mm
Cell Type	TopCon
No. of Diodes	3
No. of Busbars	10

PACKAGING CONFIGURATION

Unit	40" HC
Pieces/Pallet	32
Pallets/Container	24
Pieces/Container	768

ELECTRICAL PROPERTIES (STC*)

Power Output (Wp)	490	495	500
Max Power Tolerance (W)	0-5	0-5	0-5
Module Efficiency (%)	22.65	22.88	23.11
Voltage Mpp-Vmpp (V)	35.60	35.74	35.88
Current Mpp-Impp (A)	13.77	13.86	13.94
Voltage Open Circuit-Voc (V)	42.95	43.10	43.25
Short Circuit Current-Isc (A)	14.44	14.48	14.52

*STC: Irradiance 1000W/m², Cell Temperature 25°C, AM 1.5

ELECTRICAL PROPERTIES (NOCT*)

Power Output (Wp)	369	372	376
Voltage Mpp-Vmpp (V)	33.48	33.64	33.80
Current Mpp-Impp (A)	11.01	11.07	11.13
Voltage Open Circuit-Voc (V)	41.02	41.25	41.43
Short Circuit Current-Isc (A)	11.69	11.75	11.81

*NOCT: Irradiance 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s

SALO® - Solar Panel is a registered trademark of Salo Tech Ltd. SALO® - Solar Panels have been manufactured under the controls established by a Bureau Veritas Certification approved management system that conforms with ISO 9001, 14001, 45001.