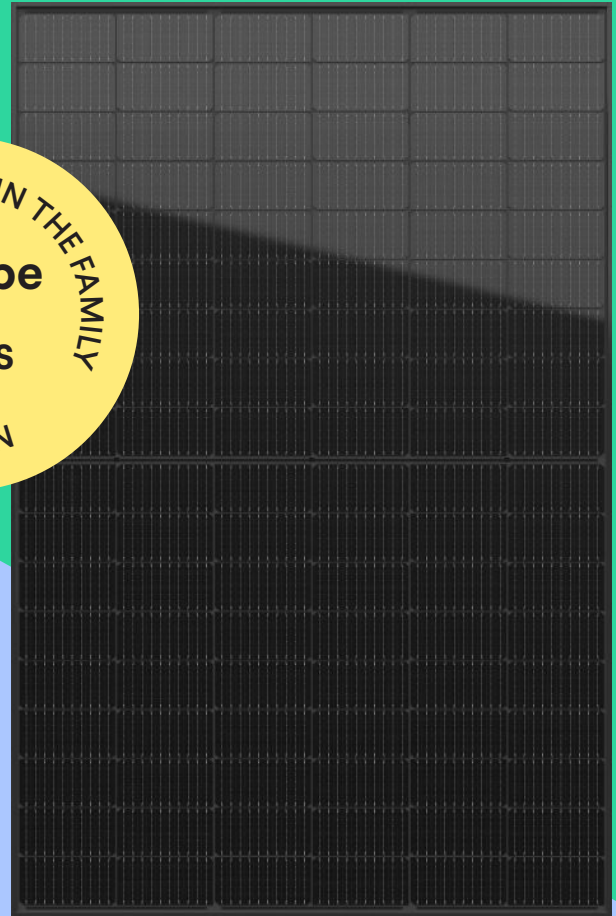
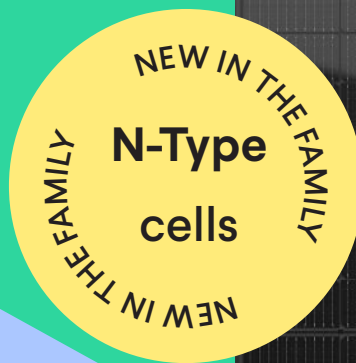


The all black stars



Denim all black 420Wp



denim

SOLAR, IT'S THAT SIMPLE

N-Type ALL-BLACK PANELS

High-efficiency panels, which combine functionality and visual beauty, excellent power generation performance and reliability, to meet the needs of different residential roofs.

WARRANTY

Always assured of a good yield thanks to the long product warranty of up to 25 years. After 25 years, we guarantee an output of 89.4%.



denimsolar.nl

ELECTRICAL CHARACTERISTICS

420 ALL BLACK

		SCT ¹	NMOT ²
Maximum power (Pmax)	(W)	420	319
MPP voltage (Vmpp)	(V)	31.50	30.20
MPP current (Impp)	(A)	13.34	10.56
Open clamp voltage (Voc)	(V)	38.10	36.60
Short-circuit current (Isc)	(A)	14.07	11.34
Module efficiency	(%)	21.51	
Power tolerance	(W)		0 /+5
Operating temperature	(°C)		- 40 to +85
Maximum system voltage	(V)		1500
Series fuse rated current	(A)		25
Product reference		Denim U N3 420 BB 108H	

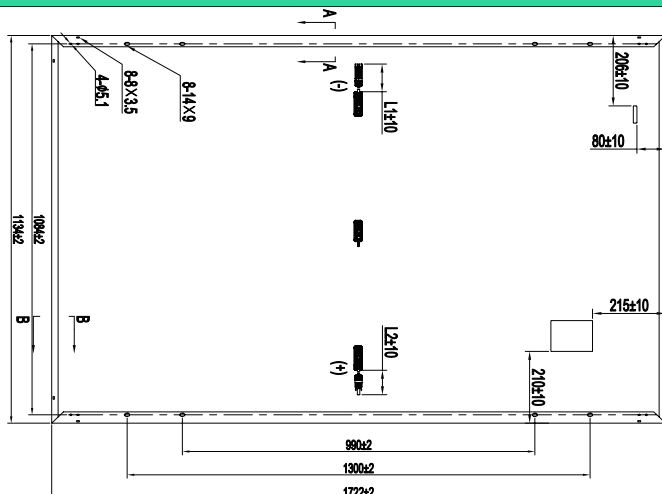
¹ STC (Standard Test Conditions): Irradiance 1000W/m², Cell temperature 25°C, Air mass 1.5

² NMOT (Nominal operating cell temperature): Irradiance 800W/m², Ambient temperature 20°C, Wind speed 1m/s

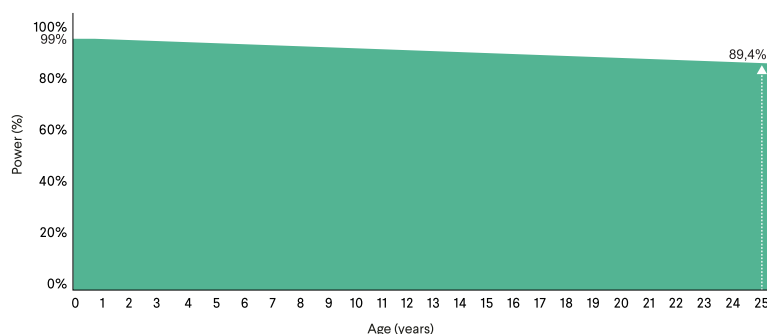
MECHANICAL PROPERTIES

Cell type	N-Type Mono 182mm x91mm
Number of cells	108 cells (6 x 18)
Dimensions	1722 x 1134 x 30 mm
Weight	21.0 kg
Frame	Anodised aluminium
Front plate	High Transmission, Low Iron, Tempered ARC Glass
Junction Box	IP68
Cable cross section / length	4mm ² (IEC) - 1100mm
Connector type	MC4-EVO2
Fire rating	C

DIMENSIONS



LINEAR PERFORMANCE WARRANTY



TEMPERATURE COEFF.

Pmax	-0.31 %/°C
Voc	-0.25 %/°C
Isc	0.046 %/°C
NMOT	43±2 °C

NUMBER OF PACKAGES

Quantity per pallet	36
Quantity per container	936

MECHANICAL LOAD

Snow load	Up to 5400 Pa
Wind load	Up to 2400 Pa
Hail test	Hailstones: Ø25mm, speed: 80km/h

DENIM IV CURVES

