

The all black stars



Denim all black 405 Wp
English

denim

SOLAR, IT'S THAT SIMPLE

ALL BLACK PANELS

Just imagine your roof shining with these all black panels. Black frames, black interior. A little more expensive, but well worth it. Elegant, aesthetic and streamlined. And 25 years guarantee. So what will it be - black or black?

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 84,8%.

* 25-year product warranty through a Denim partner. 15-year product warranty through non-Denim partners.

denimsolar.nl/en



ELECTRICAL CHARACTERISTICS

405 ALL BLACK

		SCT ¹	NOCT ²
Maximum power (Pmax)	(W)	405	300
MPP voltage (Impp)	(V)	38,00	35,90
MPP current (Impp)	(A)	10,66	8,36
Open clamp voltage (Voc)	(V)	45,60	43,10
Short-circuit current (Isc)	(A)	11,67	9,42
Module efficiency (%)	(%)	20.3	
Power tolerance (%)	(%)		0 / +5
Operating temperature (°C)	(°C)		-40 to +85
Maximum system voltage (V)	(V)		1500
Series fuse rated current	(A)		20
Product reference		Denim U M2 405 BB 132H	

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

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

MECHANICAL PROPERTIES

Cell type	Monocrystalline PERC 166x83 mm
Number of cells	132 cellen (6x22)
Dimensions	1924 x 1038 x 35 mm
Weight	22 kg
Frame	Anodised aluminium
Front plate	Hardened solar glass (high transmission)
Junction Box	IP68
Cable cross section / length	4mm ² (IEC) - 1400mm
Connector type	MC4-Evo2
Fire rating	C

TEMPERATURE COEFF.

Pmax	-0.39%/°C
Voc	-0.29%/°C
Isc	0.049%/°C

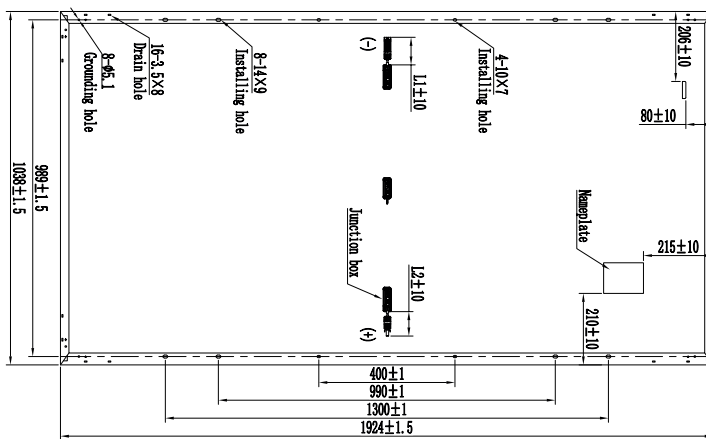
NUMBER OF PACKAGES

Quantity per pallet	31
Quantity per container	744

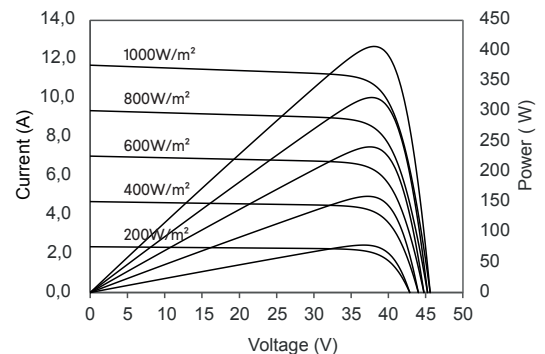
MECHANICAL LOAD

Snow load	Till 5400 Pa
Wind load	Till 2400 Pa
Hail test	Hailstones: Ø 25mm, speed: 80 km/h

DIMENSIONS



DENIM IV CURVES



LINEAR PERFORMANCE WARRANTY

