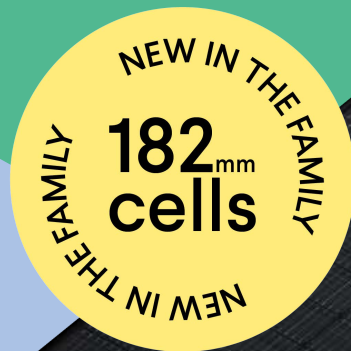


# The all black stars



Denim all black 405 Wp



# 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.



## ELECTRICAL CHARACTERISTICS

## 405 ALL BLACK

		SCT <sup>1</sup>	NOCT <sup>2</sup>
Maximum power (Pmax)	(W)	405	301
MPP voltage (Vmpp)	(V)	31,31	29,68
MPP current (Impp)	(A)	12,95	10,14
Open clamp voltage (Voc)	(V)	37,19	35,25
Short-circuit current (Isc)	(A)	13,91	11,23
Module efficiency	(%)	20,7	
Power tolerance	(%)		0 / +5
Operating temperature	(°C)		-40 to +85
Maximum system voltage	(V)		1500
Series fuse rated current	(A)		25
Product reference		Denim U M3 405 BB 108H	

<sup>1</sup> STC (Standard Test Conditions): Irradiance 1000W/m<sup>2</sup>, Cell temperature 25°C, Air mass 1.5

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

## MECHANICAL PROPERTIES

Cell type	Monocrystalline PERC 182x91 mm
Number of cells	108 cells (6x18)
Dimensions	1724x 1134 x 30 mm
Weight	21,0 kg
Frame	Anodised aluminium
Front plate	Hardened solar glass (high transmission)
Junction Box	IP68
Cable cross section / length	4mm <sup>2</sup> (IEC) - 1100mm
Connector type	MC4-Evo2
Fire rating	C

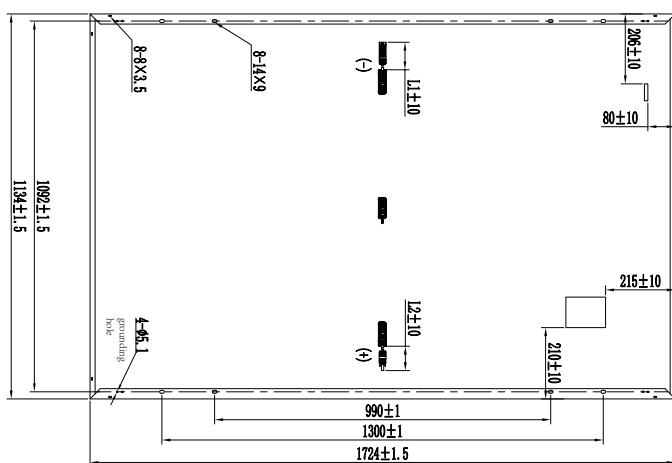
## TEMPERATURE COEFF.

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

## NUMBER OF PACKAGES

Quantity per pallet	36
Quantity per container	936

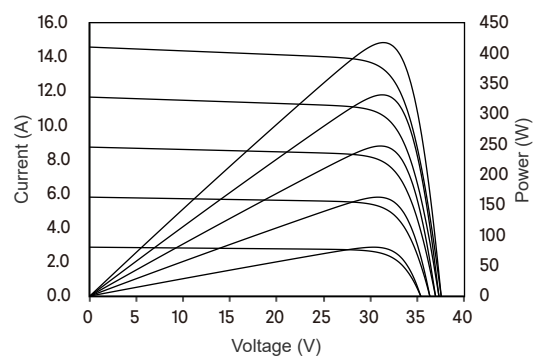
## DIMENSIONS



## MECHANICAL LOAD

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

## DENIM IV CURVES



## LINEAR PERFORMANCE WARRANTY

