

# The all black stars



Denim EU all black 330 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 80%.

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

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## ELECTRICAL CHARACTERISTICS

## 330 ALL BLACK

		SCT <sup>1</sup>	NOCT <sup>2</sup>
Maximum power (Pmax)	(W)	330	240,60
MPP voltage (Vmpp)	(V)	34,40	31,3
MPP current (Impp)	(A)	9,59	7,69
Open clamp voltage (Voc)	(V)	41,04	37,7
Short-circuit current (Isc)	(A)	9,90	7,95
Module efficiency	(%)	19.88	
Power tolerance	(%)		0 / +5
Operating temperature	(°C)		-40 to +85
Maximum system voltage	(V)		1000
Series fuse rated current	(A)		15
Product reference		SC R   M330BB-60	

<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 157x157 mm
Number of cells	60
Dimensions	1660 x 1000 x 35 mm
Weight	18,9 kg
Frame	Anodised aluminium
Front plate	Hardened solar glass (high transmission)
Junction Box	IP68
Cable cross section / length	4mm <sup>2</sup> (IEC) - 1200mm
Connector type	MC4
Fire rating	C

## TEMPERATURE COEFF.

Pmax	-0.42%/°C
Voc	-0.33%/°C
Isc	0.05%/°C

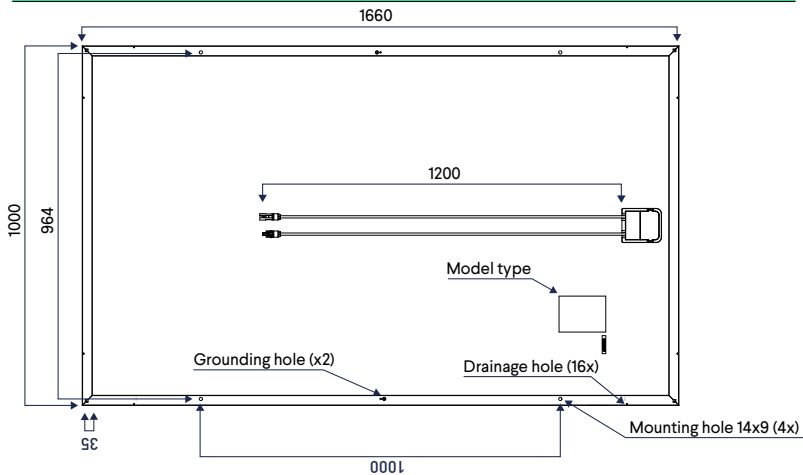
## NUMBER OF PACKAGES

Quantity per pallet	30
Quantity per container	900

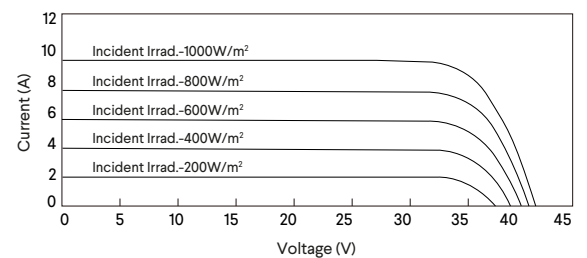
## MECHANICAL LOAD

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

## DIMENSIONS



## DENIM IV CURVES



## LINEAR PERFORMANCE WARRANTY

