

PERC

DENIM
simply working hard

DENIM_{mono}

DENIM U M2 410 BW 132 H

**6X22
CELLS**

HALF CUT CELL
TECHNOLOGY

POWER OUTPUT
TOLERANCE 0~+5%

MODULE EFFICIENCY
UP TO 20.8%

ENGLISH
COMMUNICATION
& SERVICE



HIGH QUALITY & HIGH OUTPUT

The DENIM Mono solar module portfolio consists of modules with a very high yield which meet the highest quality standards. The many tests that both the components and the solar panels have to undergo guarantee this quality. This ensures optimum performance throughout the lifetime of the product.

EXCELLENT WARRANTY

For the **15 years product warranty*** and the 25 years linear power output warranty, you can simply contact Solarclarity in the Netherlands.

**expandable to 25 years for DENIM Solar Partners*

HALF CUT CELL TECHNOLOGY

The half cut cells ensure that the current has to travel a shorter distance. The result: less resistance and more yield. The module is made up of 2 sections, giving it a better shading tolerance. Meaning that it performs optimally, even when the module is partially shaded.

QUALITY ASSURED



Better micro crack resistance



Better shadow tolerance



Lower operating temperature



15 years product warranty*
**expandable to 25 years for DENIM Solar Partners*

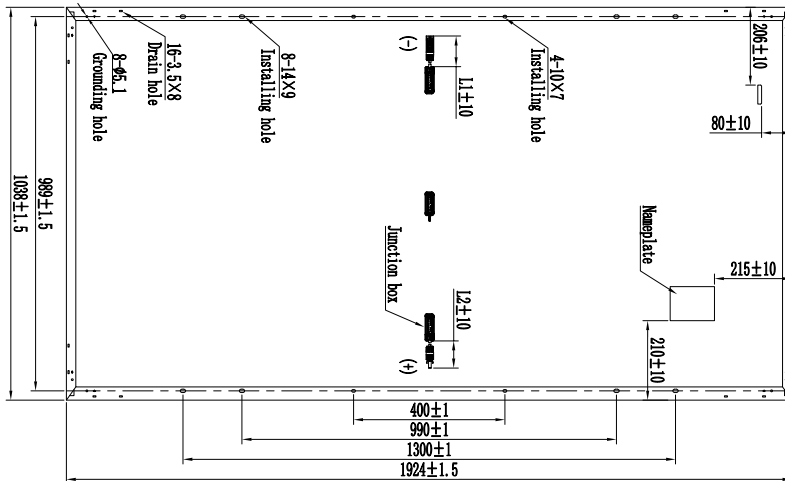


ELECTRICAL CHARACTERISTICS		M2 400 BW 132 H	M2 405 BW 132 H	M2 410 BW 132 H	M2 415 BW 132 H
Maximum Power (Pmax)	[W]	400	405	410	415
Maximum Power Voltage (Vmpp)	[V]	37,90	38,00	38,10	38,20
Maximum Power Current (Impp)	[A]	10,56	10,66	10,77	10,88
Open Circuit Voltage (Voc)	[V]	45,50	45,60	45,70	45,80
Short Circuit Current (Isc)	[A]	11,54	11,67	11,80	11,93
Module Efficiency	[%]	20.00	20.30	20.50	20.80
Power Output Tolerance	[%]	0~+5%			
Nominal Operation Cell Temperature (NOCT)	[°C]	-40 up to +85			
Maximum System Voltage	[V]	1500			
Max Series Fuse Rating	[A]	20			

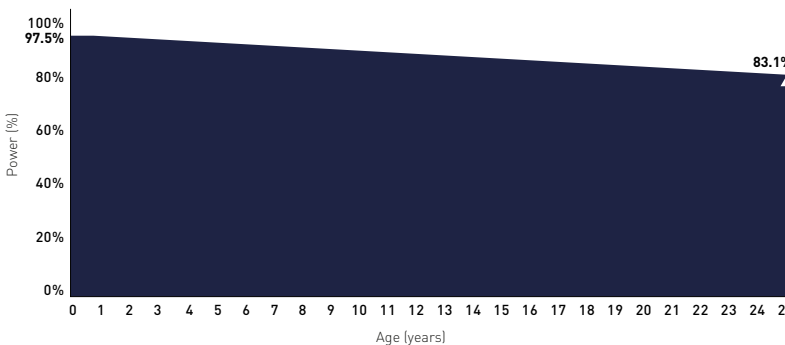
Tested at Standard Test Conditions (STC). Defined as: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass 1.5

MECHANICAL CHARACTERISTICS	
Cell Type	Monocrystalline
Number of Cells	132 cells (6x22)
Dimensions	1924x1038x35mm
Weight	22,0 kg
Frame	Anodized aluminium alloy
Glass	High transmission tempered glass
Junction Box	IP68
Cable / length	4mm² (IEC) - 1400mm
Connector	MC4-Evo2

DIMENSIONS



MODULE POWER DEGRADATION



TEMP COEFF.	
Pmax	-0.39%/°C
Voc	-0.29%/°C
Isc	0.049%/°C

PACKAGING	
Number per pallet	31
Number per container	744

MECHANICAL LOAD	
Snow Load	Up to 5400 Pa
Wind Load	Up to 2400 Pa
Hailstone Test	Hailstone: Ø25mm, speed: 80km/h

DENIM IV CURVES

