

PERC

DENIM
simply working hard

DENIMmono

SC U | M1- 390-410BBHC-144

**2X72
CELLS**

HALF CUT CELL
TECHNOLOGY

POWER
TOLERANCE
0~+3%

MODULE
EFFICIENCY UP TO
20.40%

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**

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



IEC 61215-1:2016 certified
IEC 61215-1-1:2016 certified
IEC 61215-2:2016 certified
IEC 61730-1:2016 certified
IEC 61730-2:2016 certified

IEC 61701:2011 certified
Salt Mist Corrosion Test

ELECTRICAL PARAMETERS	M1-390BBHC-144	M1-395BBHC-144	M1-400BBHC-144	M1-410BBHC-144
Maximum Peak Power (Pmax)	390 W	395 W	400 W	410 W
Rated voltage (Vmpp)	40.93 V	41.07 V	41.28 V	41.64 V
Rated current (Impp)	9.53 A	9.62 A	9.69 A	9.85 A
Open circuit voltage (Voc)	49.26 V	49.48 V	49.71 V	50.16 V
Short circuit current (Isc)	10.32 A	10.39 A	10.46 A	10.60 A
Module efficiency	19.40%	19.65%	19.90%	20.40%
Peak Power tolerance	0~+3%			
Operating temperature	-40 up to +85 °C			
Maximum system voltage	1000 V			
Maximum series fuse rating	20 A			

*Pmax, Voc, Vmpp and Impp are tested at Standard Test Conditions (STC). Defined as: 1000W/m2 irradiance, 25°C cell temperature, AM1.5 9 spectrum according to EN 60904-3 Average relative efficiency reduction of 3.4 % at 200 W/m2 according to EN 60904-1

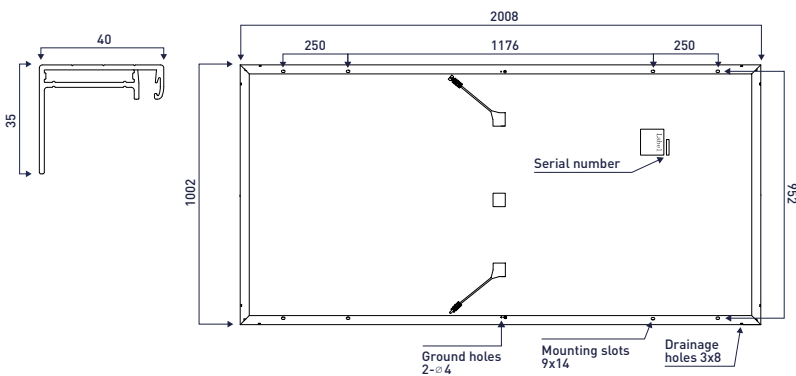
MECHANICAL DATA	
Cell type	Monocrystalline PERC
Number of cells	120
Dimensions	2008 x 1002 x 40mm
Weight	22.5 kg
Frame	Anodized black aluminium
Front	Tempered solar glass 3.2mm
Junction Box	IP67, 3 bypass diodes
Cable / Length	4.0mm / 1250 mm
Connector	MC EVO2 connector

TEMP COEFF.	
Pmax	-0.38%/°C
Voc	-0.31%/°C
Isc	+0.05%/°C

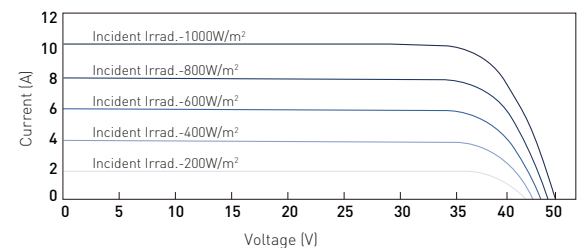
PACKAGING	
Number per pallet	27
Number per container	594

OPERATING CONDITIONS	
Snowload	Tot 5400 Pa
Windload	Tot 2400 Pa
Hailstone Test	Hailstone: Ø25mm, speed: 80km/h

DIMENSIONS



DENIM IV CURVES



MODULE POWER DEGRADATION

