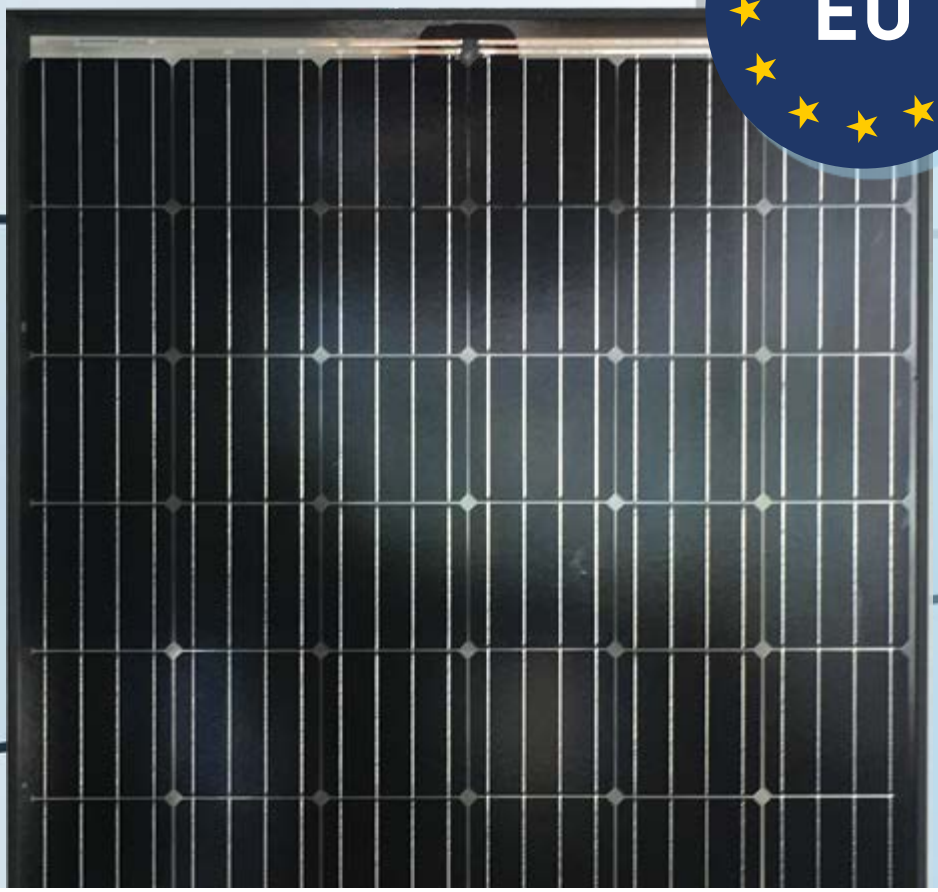
GLASS GLASS

DENIM
simply working hard

DENIM

SC R | M290-305BTG-60

EU



- EXTENSIVELY TESTED PID FREE CELLS
- POSITIVE TOLERANCE 0 - +4.9W
- LIGHTWEIGHT
- ENGLISH COMMUNICATION & SERVICES

EUROPEAN BRAND

DENIM solar modules are produced in Europe. With European production facilities you are always sure of a quick availability of the DENIM solar panels. Therefore, DENIM Solar is a certain choice, without risk for you, your installer or your importer.

LIGHT & ROBUST

The DENIM glass glass module has been designed with aesthetics in mind. Also, with a weight of 21.5 kg, DENIM modules are proven to demonstrate outstanding durability against external pressure up to 5400 Pa.

NON REFLECTING SOLAR GLASS

The specially developed, non-reflective solar glass and the PID free high efficiency cells assure DENIM solar modules to provide an excellent performance and an optimum yield.

QUALITY ASSURED

- 100% EL tested
- PID free cells
- Fire resistant
- 35 yrs factory warranty & 35 yrs linear power output warranty

fd. Gazellen Awards 2013

European Business Awards

IEC EN 61215 certified
IEC EN 61730 - 1 certified
IEC EN 61730 - 2 certified

www.denimsolar.nl

ELECTRICAL PARAMETERS	M290 BTG-60	M295 BTG-60	M300 BTG-60	M305 BTG-60
Maximum Peak Power (Pmax)	290 W	295 W	300 W	305 W
Rated Current (Impp)	9.27 A	9.28 A	9.30 A	9.36 A
Rated Voltage (Vmpp)	31.4 V	31.9 V	32.3 V	32.7 V
Short circuit current (Isc)	9.70 A	9.74 A	9.77 A	9.83 A
Open circuit voltage (Voc)	38.5 V	38.9 V	39.3 V	39.7 V
Module efficiency	17.82%	18.13%	18.44%	18.74%
Peak Power tolerance	0 / + 4.9 W			
Operating temperature	-40 up to +85 °C			
Maximum System Voltage	DC 1000V (IEC) / 600V (UL)			
Maximum series fuse rating	15 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 spectrumaccording to EN 60904-3 Average relative efficiency reduction of 3,4 % at 200 W/m2 according to EN 60904-1

MECHANICAL DATA

Solar cells	Monocrystalline
Number of cells	60
Dimensions	1681 x 992 x 35mm +/- 1mm
Weight	21.5 kg
Frame	Anodized aluminium
Front	Transparent tempered glass 2.1mm
Junction Box	IP67, three bypass diodes
Cable and connectors	4.0mm² / MC4 compatible

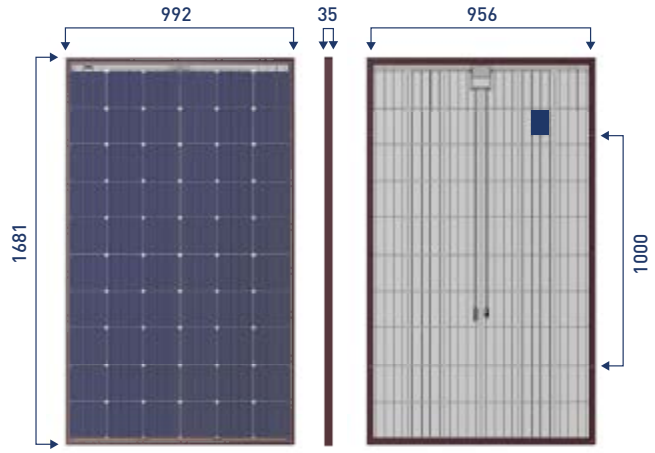
TEMPERATUUR COËF.

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

PACKAGING

Number per pallet	30
Number per container	840

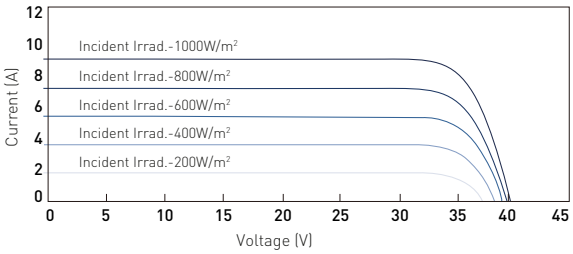
MEASUREMENTS



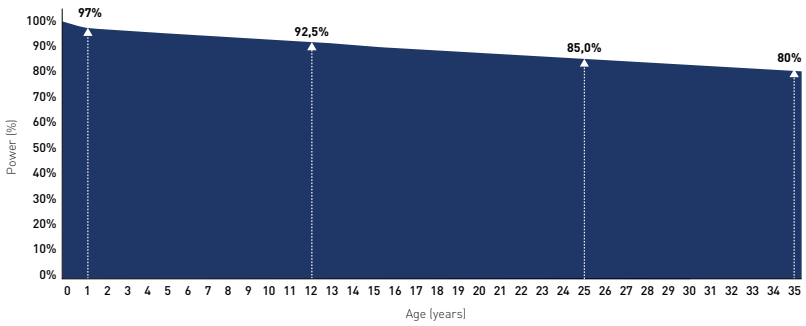
OPERATING CONDITIONS

Snowload	Tot 5400 Pa
Windload	Tot 2400 Pa
Hailstone Test	Hailstone: Ø 25mm, speed: 23 m/s

DENIM IV CURVES



MODULE POWER DEGRADATION



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