

DENIM_{poly}

SC **R** | P270-285WW-60



EXTENSIVELY TESTED
PID TEST PASSED

POSITIVE POWER
TOLERANCE 0 - +4.9W

MODULE
EFFICIENCY UP TO
17.51%

ENGLISH
COMMUNICATION
& SERVICES



EXTENSIVELY TESTED

If you choose DENIM, you opt for security. In addition to the standard tests, the DENIM solar modules have also been extensively tested for fire resistance, PID free cells, humidity, & cold. In addition, the performance of the DENIM solar modules are periodically tested by the Dutch testing company: Eternal Sun.

EXCELLENT WARRANTY

For the 15 years manufacturer's warranty and the 25 years linear power output warranty, you can simply contact Solarclarity in the Netherlands.

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.

QUALITY ASSURED



100% EL tested



PID test passed



Fire Resistant



15 yrs factory warranty & 25 yrs
linear power output warranty



ELECTRICAL PARAMETERS	P270 WW-60	P275 WW-60	P280 WW-60	P285 WW-60
Maximum Peak Power (Pmax)	270 W	275 W	280 W	285 W
Short circuit current (Lsc)	9.68 A	9.71 A	9.76 A	9.80 A
Open circuit voltage (Voc)	37.5 V	37.7 V	38.0 V	38.3 V
Rated current (Lmpp)	8.93 A	8.97 A	9.07 A	9.15 A
Rated voltage (Vmpp)	30.5 V	30.7 V	31.0 V	31.2 V
Module efficiency	16.59%	16.90%	17.21%	17.51%
Peak Power tolerance	0 / + 4.9W -40 up to +85 °C DC 1000V (IEC) / 600V (UL) 15 A			
Operating temperature				
Maximum System Voltage				
Maximum series fuse rating				

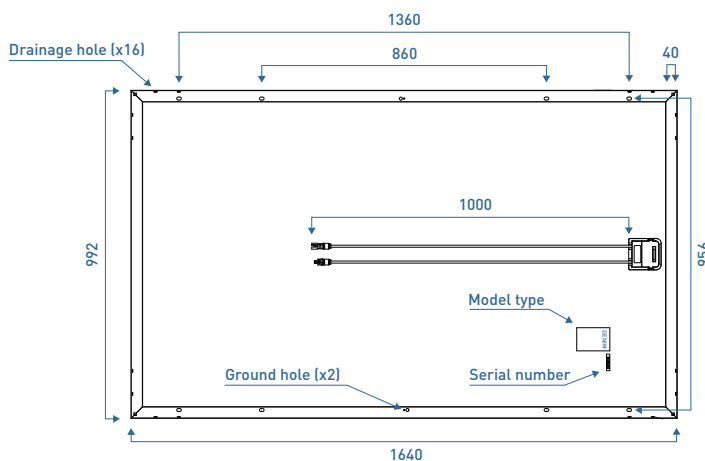
*Pmax, Voc, Vmpp and Lmpp are tested at Standard Test Conditions (STC). Defined as: 1000W/m2 irradiance, 25°C cell temperature, AM1, 5 9 spectrum according to EN 60904-3 Average relative efficiency reduction of 3,4 % at 200 W/m2 according to EN 60904-1

MECHANICAL DATA	
Solar cells	Polycrystalline
Number of cells	60
Dimensions	1640 x 992 x 40mm +/- 2mm
Weight	18.3 kg
Frame	Anodized aluminium
Front	Tempered solar glass 3.2mm
Junction Box	IP67, three bypass diodes
Cable and connectors	4.0mm ² / MC4 compatible

TEMP COEFF.	
Pmax	-0.41%/°C
Lsc	+0.05%/°C
Voc	-0.31%/°C

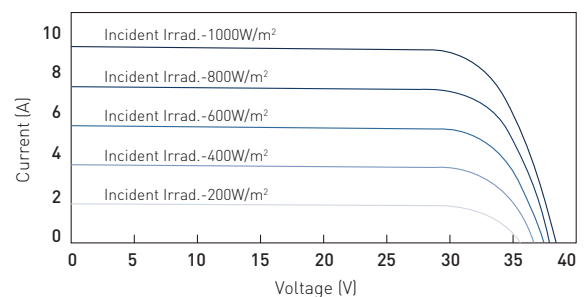
PACKAGING	
Number per pallet	26
Number per container	832

DIMENSIONS



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

DENIM IV CURVES



MODULE POWER DEGRADATION

