

PRODUCT TYPE: DS-SP 280

High efficiency module technology

DS-SP 280 is a high efficiency mono-crystalline solar module with 96 high efficiency solar cells. The panel which has an efficiency of 18.5% is very robust and tested to work under all possible weather conditions. Under optimal conditions, these panels will provide an output fare above market average.

Elegant and unique black design

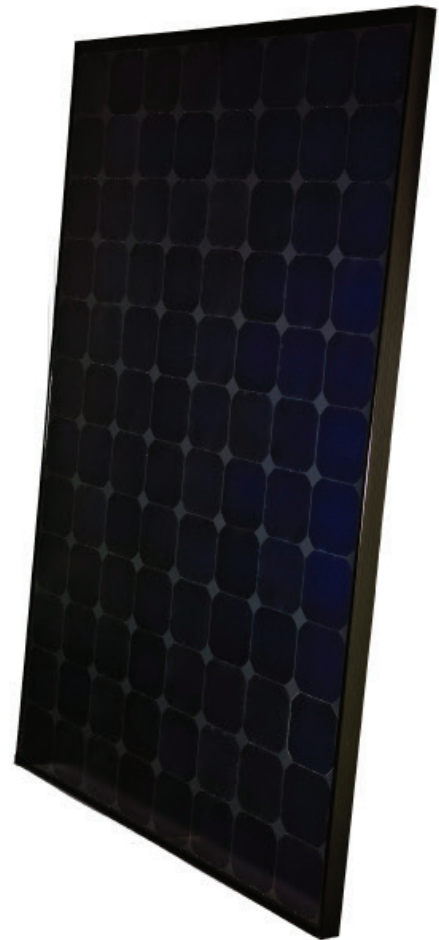
This module has a homogeneous black design, and is an ideal solution for customers who besides high output level also focus on esthetics and architectural integration. All mounting rails and brackets are black by default.

25 years performance guarantee

DanSolar guarantees an output efficiency >90% by year 10 of production and 80% by year 25. Product warranty on the craftsmanship is 14 years. The expected lifespan of the panels are 30-40 years.



DanSolar®



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TECNICAL SPECIFICATIONS

Electrical data*

Nominal Power (Wp)	280W	Temperature coefficients of Isc (%)	+0.1/°C
Maximum power voltage (V)	51.9V	Temperature coefficients of Voc (%)	-0.38/°C
Maximum power current (A)	5.40A	Temperature coefficients of Pm (%)	-0.47/°C
Open circuit voltage (Voc)	63.9V	Temperature coefficients of Im (%)	+0.1/°C
Short circuit current (Isc)	6.00A	Temperature coefficients of Vm (%)	-0.38/°C
Maximum system voltage (V)	1000	Temperature range	-40°C +80°C
		Standard test conditions	AM1.5-1000W/m ² - 25°C

Mecanical data

Width	1046 mm
Length	1559 mm
Depth	40 mm
Weight	22 kg
Total area	1.63 m ²
Surface max. load cap.	60m/s (200 kg/m ²)
Frame	Black anodized aluminum
Connectors	MC4-comp.; 1000 mm

Warranty and Qualifications

Cell type	Mono crystallin
Number of cells	96
Cell efficiency (%)	>20%
Panel efficiency (%)	18,5%
Output tolerance	0 to +3%
Performance	25 years (80 %)
	10 years (90 %)
Product	14 years

Dimensions (mm)

