

NORWEGIAN CRYSTALS INSIDE



Introducing Noor Modules. Powered by Nature. Crafted for People.

The Noor module is the powerful result of combining Norwegian Crystals' high-performing monocrystalline material with the latest cell technology, and a robust and reliable module design. The result is beauty and power combined.

280W

Premium power is made possible by combining our pure mono wafers with leading PERC technology.

+kWh

You get more power produced thanks to Noor's exceptional properties. This means better return on your investment.

Quality

Quality EU and US components meet beautiful Scandinavian design. Built to weather the elements over a lifetime.

Pure

Produced on pure hydropower from Norway's Arctic Circle glaciers. Energy doesn't get any cleaner.

Power Data

Measurements at standard testing conditions - 1000W/m², 25°C, AM1.5, according to EN 60904-3

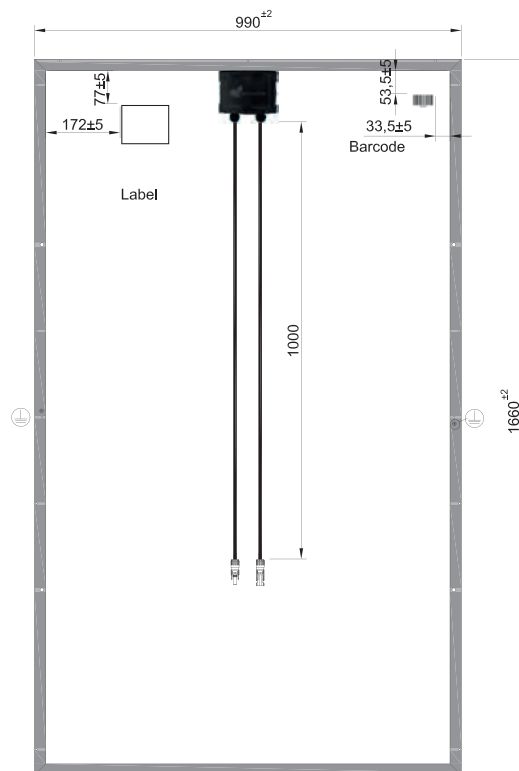
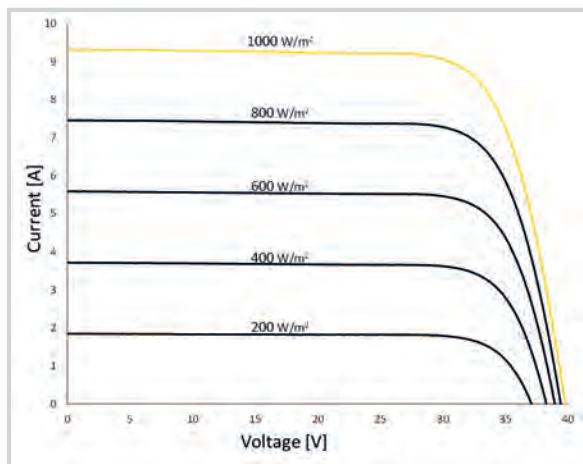
P_{MPP}	V_{MPP}	I_{MPP}	V_{OC}	I_{SC}	FF
280 W	32.32 V	8.66 A	39.8 V	9.22 A	76,3 %

Temperature ratings	
NOCT	46±2 °C
TC Pmpp	-0.39 %/K
TC Voc	-0.3055 %/K
TC Isc	0.0455 %/K

Technical specifications	
Class range	-0/+5 W
Max system voltage	1000 V
Weight	20 kg
Reverse current load	15 A
Operational temperature	-40 to +85 °C
Pmpp measurement accuracy	±3 %
Module efficiency	17.03 %
Frame height	40 mm
Max snow load	5400 Pa
Max wind load	2400 Pa

Quality Components	
Silicon/wafer	Pure Norwegian Crystals mono material inside
Cell type	PERC technology, 20.5% cell efficiency
Glass	High transmission low-iron glass with AR treatment
EVA	PID resistant, high-transmission design
Backsheet	Triple layer design, available in white and black
Frame	Unique corner key design with no crimping
Junction Box	MC4 compatible, IP65

IV Curve



Certificates



DIN EN ISO 9001:2008 ISO 14001:2009

Warranty

10 year product warranty. 25 year linear power warranty. Norwegian Crystals guarantees a 0.7% maximum performance degradation per annum. See warranty conditions on our web page for further details.



Norwegian Crystals AS is a cutting-edge producer of high-purity monocrystalline blocks and wafers and high-efficiency solar modules. Out our state-of-the-art facility located on the Arctic Circle in Northern Norway has produced high quality solar materials with consistency for customers worldwide for more than 15 years. Our quality monocrystalline blocks and wafer products deliver exceptional results, and are produced using pure hydro power. We design and market our high-efficiency Noor™ solar panels with Norwegian Crystals inside. Norwegian Crystals AS is headquartered in Oslo, Norway. Find out more at www.crystals.no.