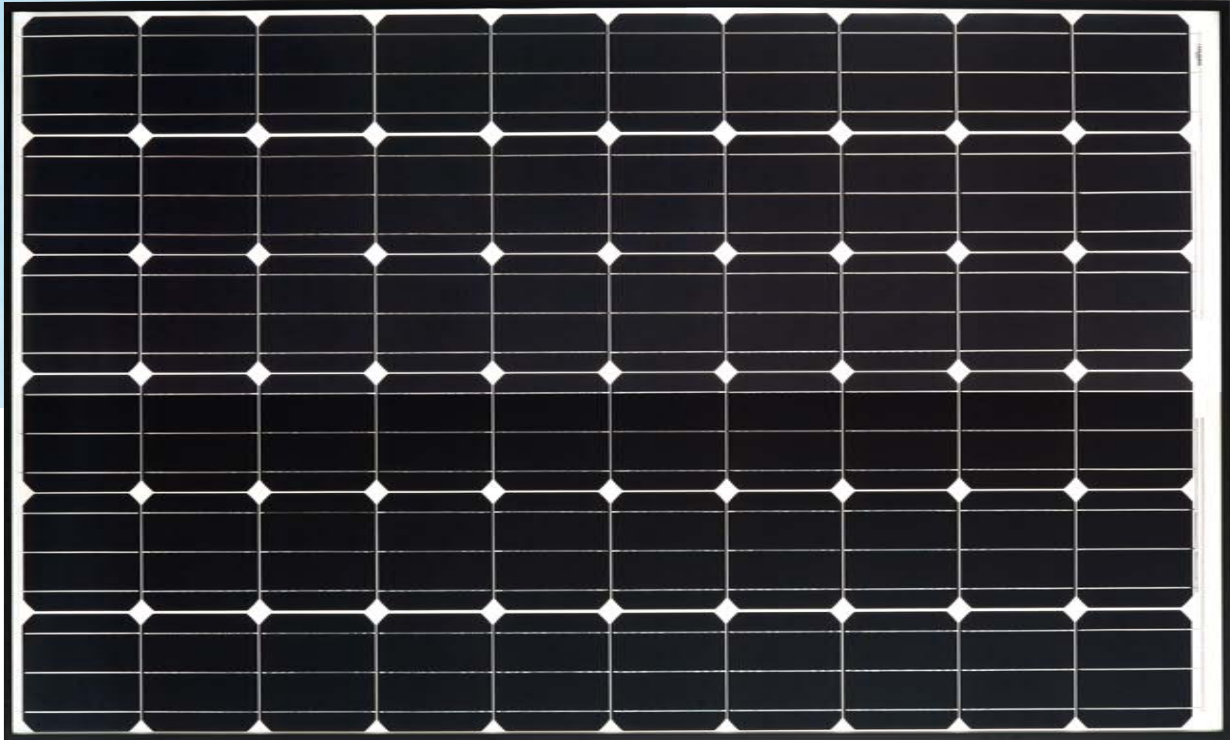


NORWEGIAN CRYSTALS INSIDE



## 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.

**285W**

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**

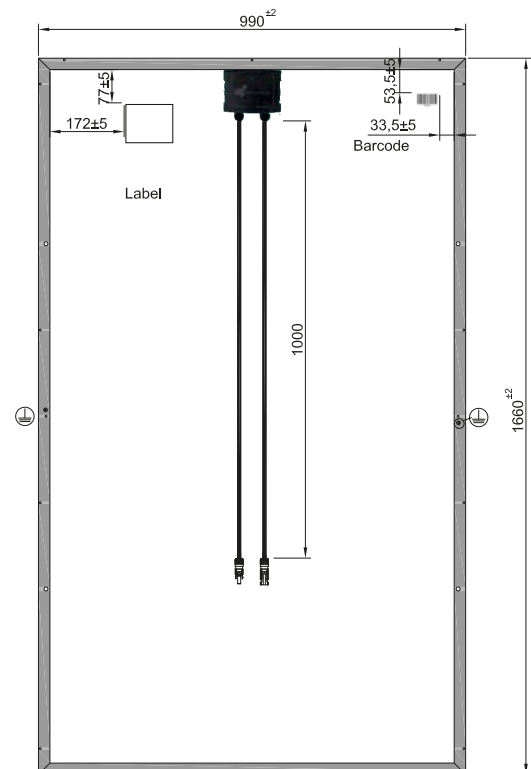
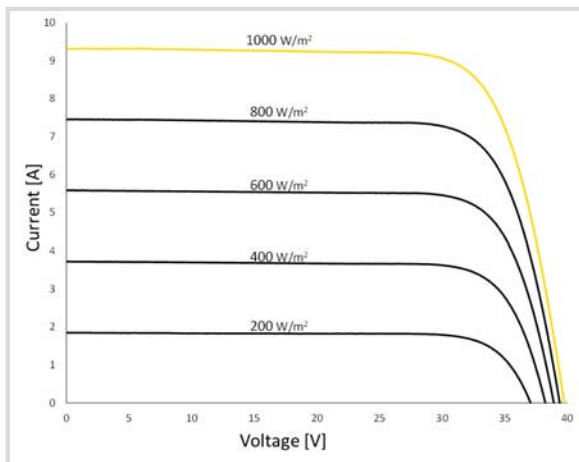
Produced on pure hydropower from Norway's Arctic Circle glaciers. Energy doesn't get any cleaner.

## Power Data

$P_{MPP}$ 285 W	$V_{MPP}$ 32.2 V	$I_{MPP}$ 8.85 A	$V_{OC}$ 39.7 V	$I_{SC}$ 9.46 A	FF 76 %
<b>Temperature ratings</b> NOCT 46±2 °C TC Pmpp -0.39 %/K TC Voc -0.3055 %/K TC Isc 0.0455 %/K			<b>Quality Components</b> <b>Silicon/wafer</b> Pure Norwegian Crystals mono material inside <b>Cell type</b> PERC technology, 20.5% cell efficiency <b>Glass</b> High transmission low-iron glass with AR treatment <b>EVA</b> PID resistant, high-transmission design <b>Backsheet</b> Triple layer design, available in white and black <b>Frame</b> Unique corner key design with no crimping <b>Junction Box</b> MC4 compatible, IP65		
<b>Technical specifications</b> Class range -0/+5 W Max system voltage 1000 V Weight 18.5 kg Reverse current load 15 A Operational temperature -40 to +85 °C Module efficiency 17.34 % Frame height 40 mm Max snow load 5400 Pa Max wind load 2400 Pa					

\*Measurements at standard testing conditions: -1000 W/m<sup>2</sup>, 25°C, AM 1.5 according to EN 60904-3. Electrical characteristics may vary by ± 3%

## 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 depression 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. At 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](http://www.crystals.no).