



SHARP Energy Solutions

Your Solar Partner for Life

Be ahead of your competition with advanced products.

Sharp.co.uk/energysolutions | [#SHARPSolarProjects](https://twitter.com/SHARPSolarProjects)

SHARP

Be Original.

Leverage the industry's longest-standing experience

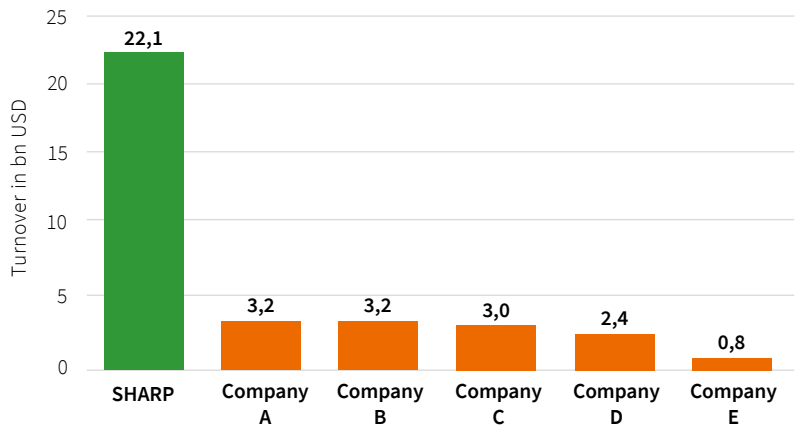
Long-term partnerships are built on trust, strength, and reliability. When our competitors started entering the market in the late 1990s, SHARP already had about 40 years of experience with a wide range of solar panel applications. We are proud of this long heritage and the many successful projects made possible by SHARP solar panels around the globe.

Secure your customers investment

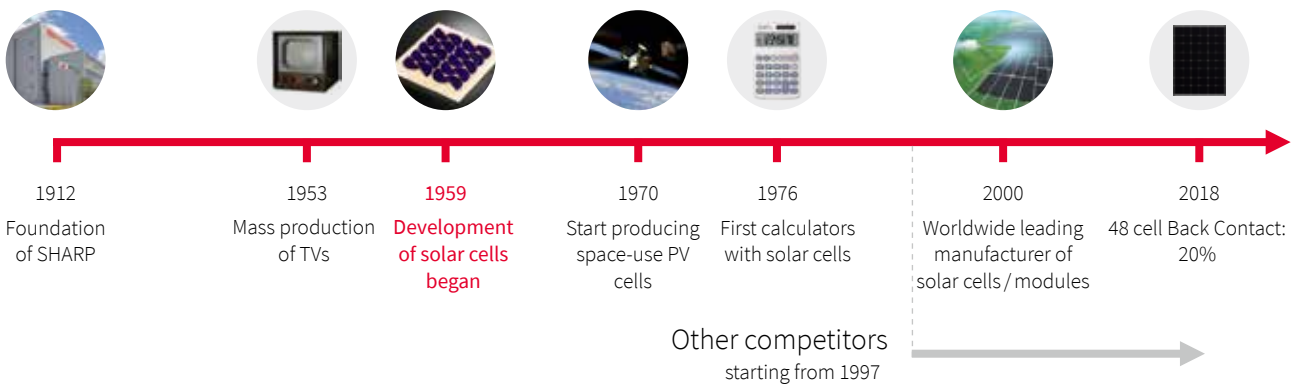
As part of a corporation whose diverse portfolio includes a broad range of consumer electronics, we rely on a stable financial backbone for our solar PV business, confirmed by Bloomberg's Tier 1 listing. In contrast to pure solar manufacturers, we can withstand the fluctuations of the highly volatile solar markets. For our partners and customers, this means that we will be around and by your side for a long time.



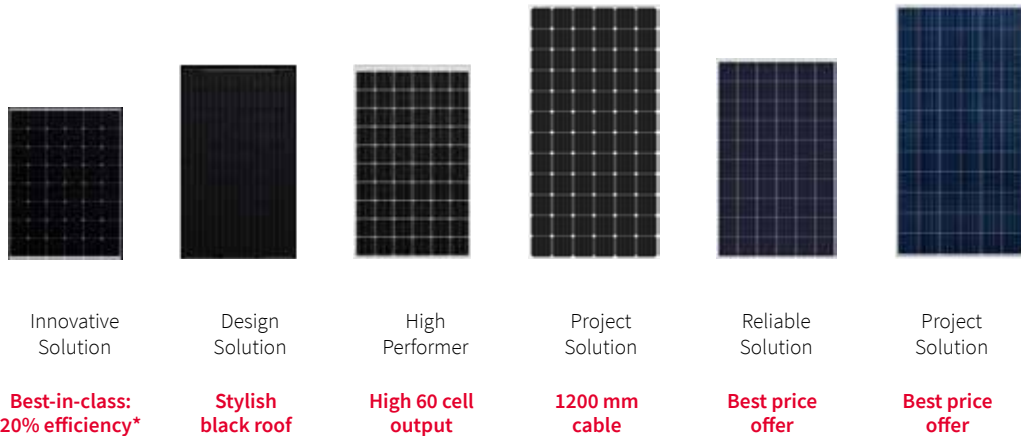
Net Sales comparison with main competitors (pure PV companies) in 2017



100+ years of company history and six decades of PV experience



Open up every market segment to generate new business



Type	Monocrystalline				Polycrystalline	
Power output	258 W	300 / 310 W	310 / 315 W	370 W	275 W	330 W
Model	NQ-R258H	NU-AC300B NU-AK300B NU-RD ^{300D} 310D	NU-AC310 NU-AK310 NU-RC ^{310D} 315D	NU-AF370 NU-AH370	ND-AC275 ND-AK275	ND-AF330C
Cell	Back Contact	PERC	PERC	PERC	Standard	Standard
Number of cells	48	60	60	72	60	72
Module efficiency	up to 20.0%	up to 18.9%	up to 19.2%	up to 19.1%	up to 16.9%	17.0%
System voltage	1,000V	1,000V	1,000V	1,000V	1,000V	1,500V
Size	1,318 × 980 × 46 mm	1,650 × 992 × 35 mm 1,640 × 992 × 35 mm 1,660 × 990 × 42 mm	1,650 × 992 × 35 mm 1,640 × 992 × 35 mm 1,660 × 990 × 42 mm	1,960 × 992 × 40 mm 1,956 × 992 × 35 mm	1,650 × 992 × 35 mm 1,640 × 992 × 35 mm	1,960 × 992 × 40 mm
Weight	17.0 kg	18.5 kg 18.1 kg 19.0 kg	18.5 kg 18.1 kg 19.0 kg	22.5 kg 22.2 kg	18.5 kg 18.1 kg	22.5 kg
Pallet/Truck	26 / 598 pcs	30 / 900 pcs 30 / 900 pcs 26 / 676 pcs	30 / 900 pcs 30 / 900 pcs 26 / 676 pcs	27 / 648 pcs 30 / 720 pcs	30 / 900 pcs 30 / 900 pcs	26 / 624 pcs

*Examination PV Sol premium: 48-cell mono modules on 18/08/04



Go Online!

Select a module and see the datasheets and certificates
www.sharp.co.uk/solar-panels

Achieve ROIs quickly

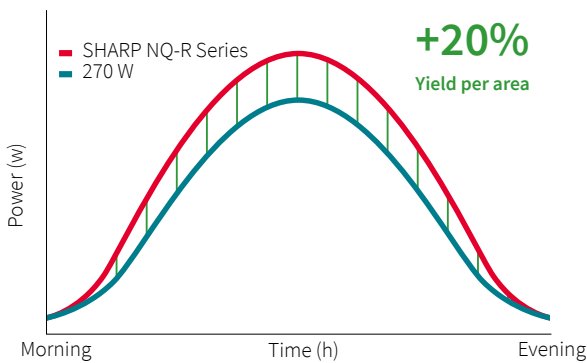
Highest-yielding PV panels

SHARP's NQ-R series delivers world-leading module yield. We moved the connectors from the front to the back of the cell, increasing efficiency to up to 20%. A residential roof equipped with these 48-cell modules can yield more power than with any other 48-cell PV module on the market and the yield per area can be up to 20% higher than compared to a 60 cell 270 W panel.

5% is more than 5W

SHARP is the only company with up to 5% more power than specified on the datasheet. The power tolerance of other companies is 0/5 W.

Yield plus with NQ-R Series



Higher efficiency with PERC cells

Our monocrystalline PV modules are available with PERC cells. These "passivated emitter rear contact" cells are a new technology that increases module efficiency at competitive prices.

» *“Our relationship with SHARP Service can be described best by the number of issues we have had with SHARP products in the past 18 years: ZERO! This is statistically impossible and yet, true!”* «

*Christos Pronios
Eurosol*



Register for our B2B online shop



Go Online!

<https://energyshop.sharp.eu>

Best guarantees

Start the guarantee period with the handover to the end customer

SHARP offers a 10-year product guarantee and 25-year linear power output guarantee to the end user – starting at the point when the product actually arrives at the end user. All customer guarantees are managed from our offices in Hamburg, Germany.

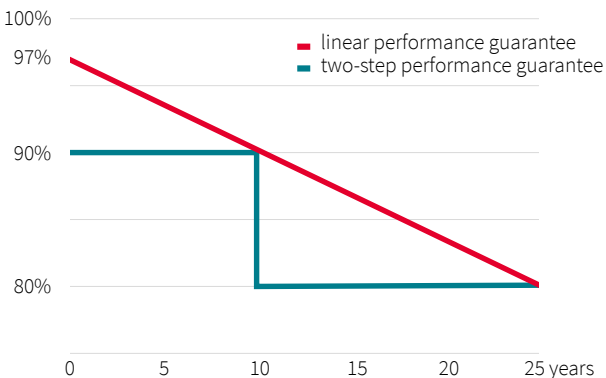
10 YEARS

Product Guarantee

25 YEARS

Linear Power Output Guarantee

The linear power output guarantee from SHARP secures additional module performance



Sleek black designs

Satisfy your style conscious customers

With their black frames and black back sheets, our all-black monocrystalline panels offer a homogeneous and sleek design that highlights a project's architecture.











Proven quality

Provide reliable products which passed the hardest tests

Our extensive, discerning tests are based on decades of industry experience and are up to five times stricter than IEC standards demand. We know the typical module failures and can test new production materials accordingly to ensure our modules' top quality. From compliance with international standards to endurance under extreme conditions: our PV modules have been tested, certified* and awarded by a number of independent institutions.

*Please check the current specific data sheet and related documents for available certificates for each product.



 NU-RD, NU-RC & NQ-R Series	 ND-RB, ND-AK, ND-AH & NU-SC Series			
 PID free	 5,400 Pa Tested Snow Load (IEC 612015)	 Ammonia Test (DLG focus test)	 Salt Mist Test (IEC61701)	

Trust in over 50 million SHARP panels installed in every environment

SHARP PV products are being used around the world, in a wide range of applications and environments. From the mountains to the desert, from icy climates to extreme humidity and heat, our PV modules have proven robust and reliable, contributing to a better energy future everywhere.



Large scale projects



Nordic installations (heavy snow loads and up to -15°C)



Single- and multi-family homes



Solar powered irrigation projects



Go Online!

See the complete case studies.
www.sharp.co.uk/solar-projects





Desert installations (up to 50° C)



Salty costal climate conditions



Floating PV installations



Industrial installations



Mountain installations
(strong wind pressure)

#SharpSolarProjects

Post your project with SHARP products on social media:



Contact us and we will be happy to assist



Superior service based in Europe

Our service, sales, and support teams are based in Hamburg, Germany. We like to be close to our customers and partners and have our stock close, too. That is why we operate from offices in Europe and have a warehouse here.



Go Online!

Get in touch with us now and meet the team.

www.sharp.co.uk/solar-team

See what our clients have to say:

"We chose SHARP for the sake of product quality, performance and guarantee. Its performance in our demanding and harsh weather conditions in Finland guarantees the best possible energy production compared to any other product we have used so far."

Antti Kostainen
PlayGreen, Finland

"SHARP modules have proved highly dependable in the past, with a very good price-performance ratio. Over the almost seven years of our partnership with SHARP, they have been consistently reliable and supportive. It is clearly a win-win situation."

Sándor Harcsa-Pintér
3comm, Hungary

» *"We've done more than 70 projects with SHARP modules so far. Their high quality and reliable guarantees give us great peace of mind."* «

Joan Grifé Singla
Seine Tech, Spain

"We have been a satisfied customer of SHARP for three years now. Especially the support, the accessibility without telephone loop, the reliability as well as the good cooperation have always convinced us."

Josef Wilken
W.N. Solarsysteme, Germany

"All panels were delivered on time, which helped adhering our time schedule a lot and is required when installing 43,000 modules. Furthermore, the SHARP modules have exceeded our expectations in terms of quality and reliability. This was also confirmed by the great yields we generated so far."

Aldo Enerji
Akin Yalçın, Turkey

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