



Solar for InnovatorsTM

www.aptosolar.com



Designed & Engineered
In Silicon Valley

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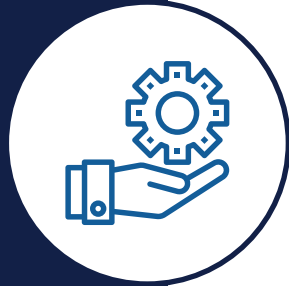
Designed & Engineered in Silicon Valley

Headquartered in the heart of Silicon Valley, we meet inspiration and innovation everyday. We believe that advanced solar panel technology should be accessible and affordable for business and homeowners across the globe. Our team of engineers passionately create solar technology that pushes the boundaries when it comes to performance, aesthetics, and cost. We are committed to providing our customers with the best technology the industry has to offer at the best value.



Patented Technology

We have optimized our solar panels with our patented Dual Nano Absorber (DNA) technology. We have taken the best of PERC and bifacial technology and stacked intrinsic layers of negatively charged atoms between sublayers to produce a high-efficiency solar cell with heightened heat tolerance.



State-of-the-art Manufacturing

Our solar panels are produced in the largest solar module manufacturing factory in the world! The fully automated production line is ISO 9001 & 14001 certified. We have partnered with the best in the industry to provide high-performance technology our customers can rely on.



Accomplished Expertise

We leverage over 40 years of solar industry experience across the solar value chain. Our team has a clear understanding of the support our installation partners need and how to leverage global sourcing to provide the best technology at the best value.



Making Clean Energy Accessible

In partnership with GivePower, we are providing solar-based solutions that power life's basic needs. For each solar panel that is sold, we donate a portion of our profits to GivePower. When you partner with us, you're helping our mission to bring clean energy solutions to those that need it most.

Global Impact



2,650 Schools



17 Countries



400,000 People



Clean Energy Solutions

Solar energy and storage technologies can be utilized to deliver the most essential community services to the developing world. GivePower has helped power some of the economically poorest countries, including communities across more than a dozen countries in Africa, Asia, and Latin America.



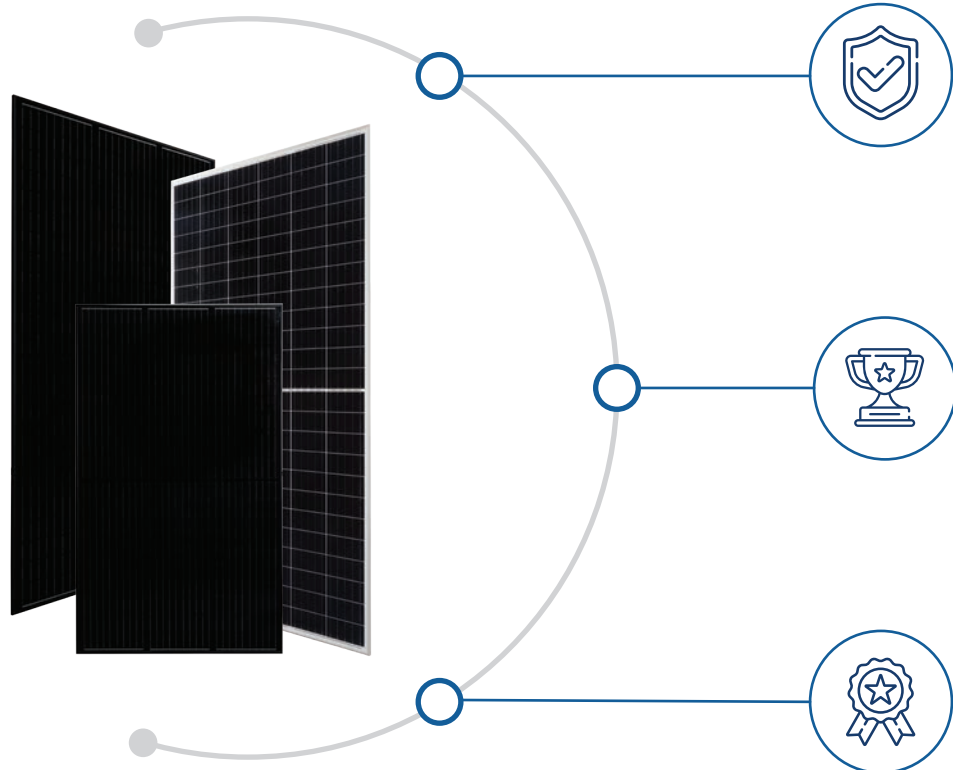
Solar Water Farms

Waterborne disease is the planet's leading cause of death. GivePower's Solar Water Farm can provide access to clean water for up to 35,000 people every single day. See how it has already changed the lives of thousands of villagers in Kiunga, Kenya.



Third-party Testing

We are dedicated to providing our customers with the best products the solar industry has to offer. Our solar panels undergo multiple quality checks throughout the manufacturing process and rigorous third-party extended reliability testing. We have tested our solar panels 3X the industry standards and have confirmed through third-party testing that our panels are able to perform excellently in extreme weather conditions.



Long-term Reliability

When it comes to long-term reliability, our panels beat the competition. Our products are certified to surpass industry standards and are proven to perform excellently in extreme conditions over time.

Best in Class Quality

We have partnered with third party testing laboratories to push our products beyond the industry standards. Our products exceed the International Electrotechnical Commission (IEC) standards by 3X.

Bankable

Our top tier products come with an industry leading 25 year product warranty and 30 year power performance warranty.

3X IEC Standard

We have partnered with a third-party testing laboratory, RETC, to push our product beyond the industry standards and provide our customers with the quality solar panel they can rely on. Our solar panels perform 3X the baseline standard set by the International Electrotechnical Commission (IEC).

Extreme Weather Resilience



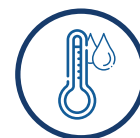
Hot & Dry Climates

Our patented technology allows our panels to operate at higher efficiencies with less production loss in high heat temperatures. Check out our exceptional temperature co-efficient.



Strong Wind Speeds

Our solar panels have been tested for wind loads up to 5,400 Pa. That means our panels are tested to withstand up to 210mph wind speeds!



Hot & Humid Conditions

We have put our panels through rigorous tests to ensure that external and internal components are not adversely affected in hot and humid conditions.



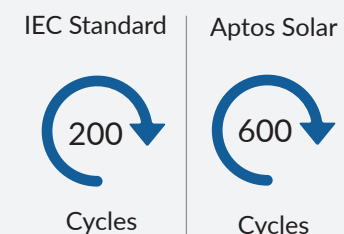
Salty Air

We conduct salt spray and ammonia tests on our solar panels to ensure that internal and external components are able to operate safely in regions affected by salt mist.

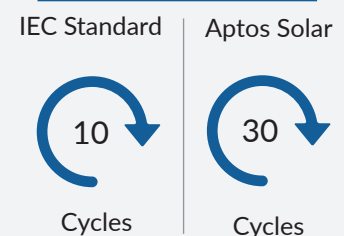
Certifications



Thermal Cycling (TC)



Humidity Freeze (HF)



Damp Heat (DH)

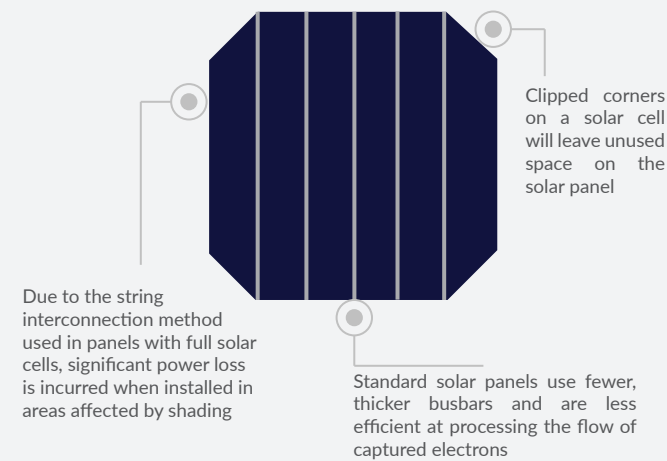


Patented DNA™ Technology

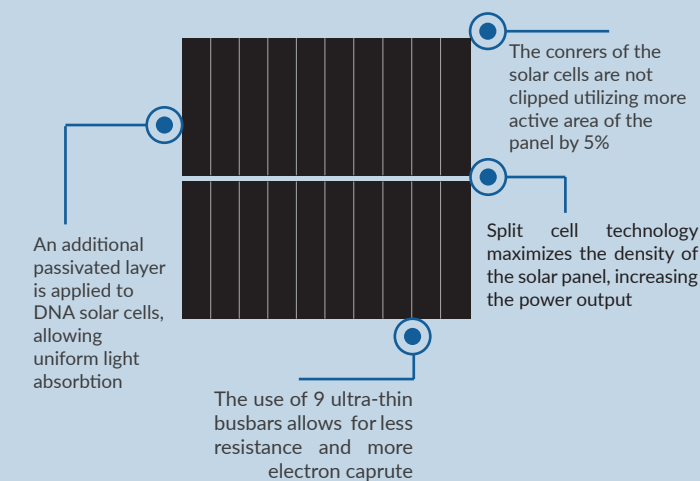
Solar for Innovators

Our patented technology lies in the solar cell. We have taken the best of PERC and bifacial technology and stacked intrinsic layers of negatively charged atoms between sublayers to produce a high-efficiency solar with heightened heat tolerances, all while driving the cost of manufacturing down.

Standard Solar Cell

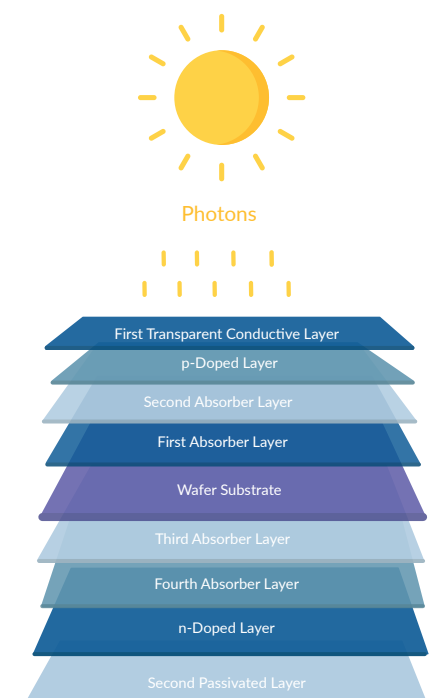


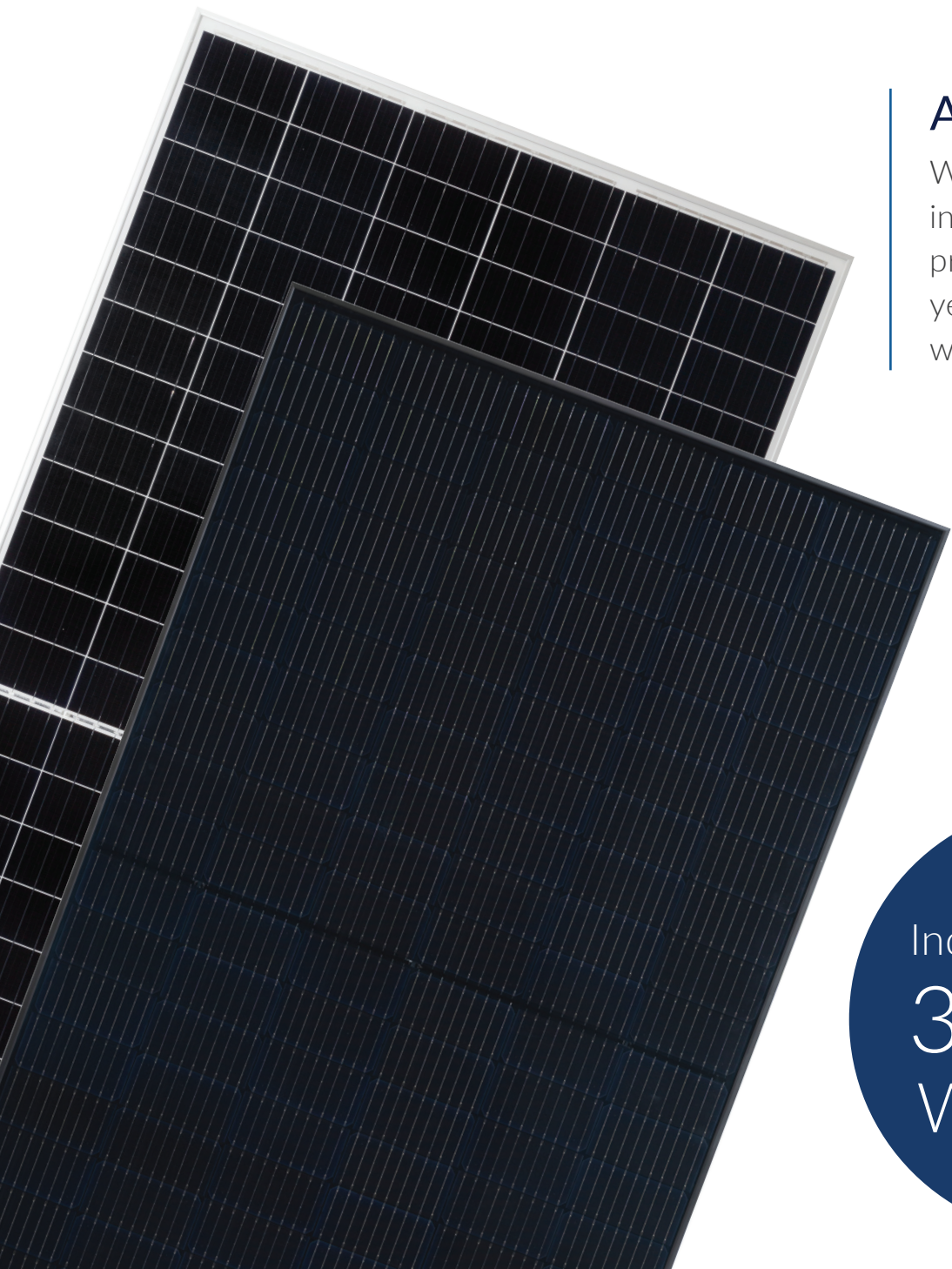
DNA™ Split Solar Cell



DNA™ Solar Cell Structure

Intrinsic layers of negatively charged atoms allow for optimal photon capture.





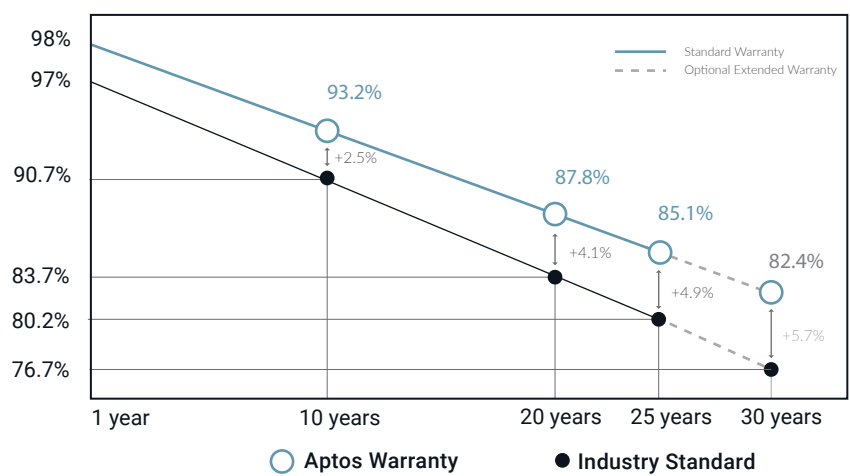
A Safe Investment

We offer our customers an industry leading 25 year product warranty and a 30 year power performance warranty.

Industry Leading
30 Year
Warranty



Linear Performance Warranty



- ✓ No additional serial number registration
- ✓ Our module failure rate is less than 0.01%
- ✓ Streamlined claims process
- ✓ -0.54% Annual Power Attenuation



Performance & Product

Our warranty program is designed to cover product defects and premature power performance degradation. Our panels have been proven to beat the competition when it comes to long-term reliability.



Proven Reliability

We put our panels through rigorous long-term reliability testing. In fact, we exceed the industry baseline standards by 3X. Our third-party testing laboratory has confirmed that our panels will perform excellently in extreme weather conditions over time.

DNA™ 120

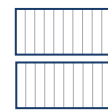
Residential | Commercial

370W | 365W | 360W



Patented Technology

Patented DNA Technology boosts power performance & module efficiency



Maximum Panel Density

Split cell technology increases power output & overall module performance



Shade Resilience

Ideal solution for applications affected by shading



Superior Aesthetics

All-black design for pristine rooftop aesthetics



Durable Design

Certified to withstand up to 5400 Pa snow load and 210 mph wind speeds

Dimensions	1756 X 1039 X 35mm
Weight	45.19lbs.(20.5kg)
Efficiency	20.29%
Coefficient	-0.36
Max System Voltage	1,000VDC
Wind Load	5,400 Pa

30 Year Warranty

3X IEC Standards

RETc Top Performer

Residential | Commercial

370W | 365W | 360W



Advanced Technology

Generate 30% more energy with bifacial rear-side generation



PID Resistant

No performance loss when operating in wet or hot conditions



Global Impact

Each solar panel sold results in a donation to GivePower



Best-in-class Quality

Certified by third-party testing laboratory to exceed industry standards by 3X



A Safe Investment

Industry leading 30 year warranty

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DNA™ 120 Bifacial

30 Year Warranty

3X IEC Standards

RETc Top Performer

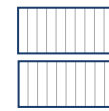
DNA™ 144

Residential | Commercial

440W | 435W | 430W



Patented Technology
Patented DNA Technology boosts power performance & module efficiency



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Shade Resilience
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All-black design for pristine rooftop aesthetics



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Max System Voltage	1,000VDC
Wind Load	5,400 Pa

Residential | Commercial | Utility

440W | 435W | 430W



Advanced Technology
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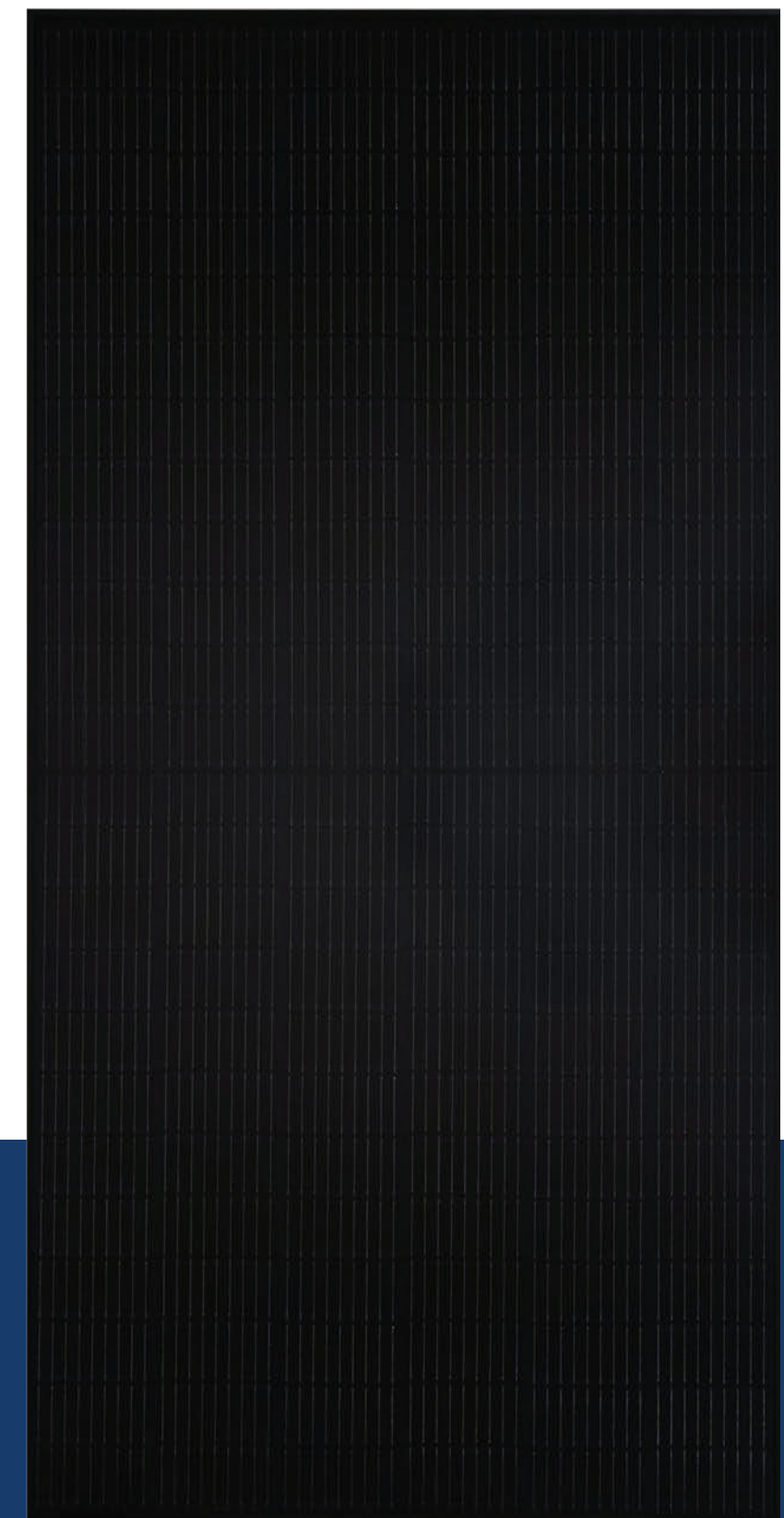
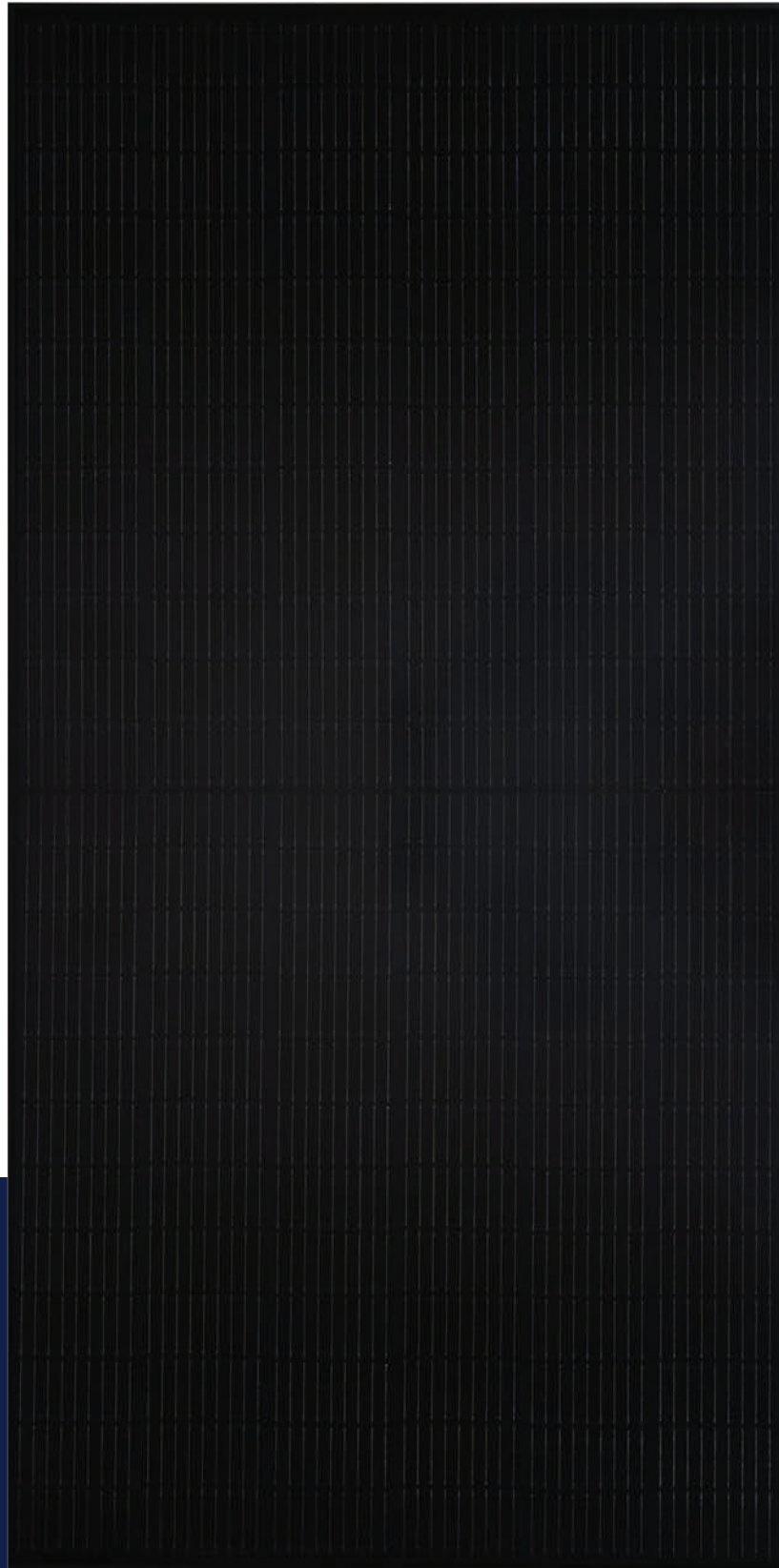
Best-in-class Quality
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A Safe Investment
Industry leading 30 year warranty

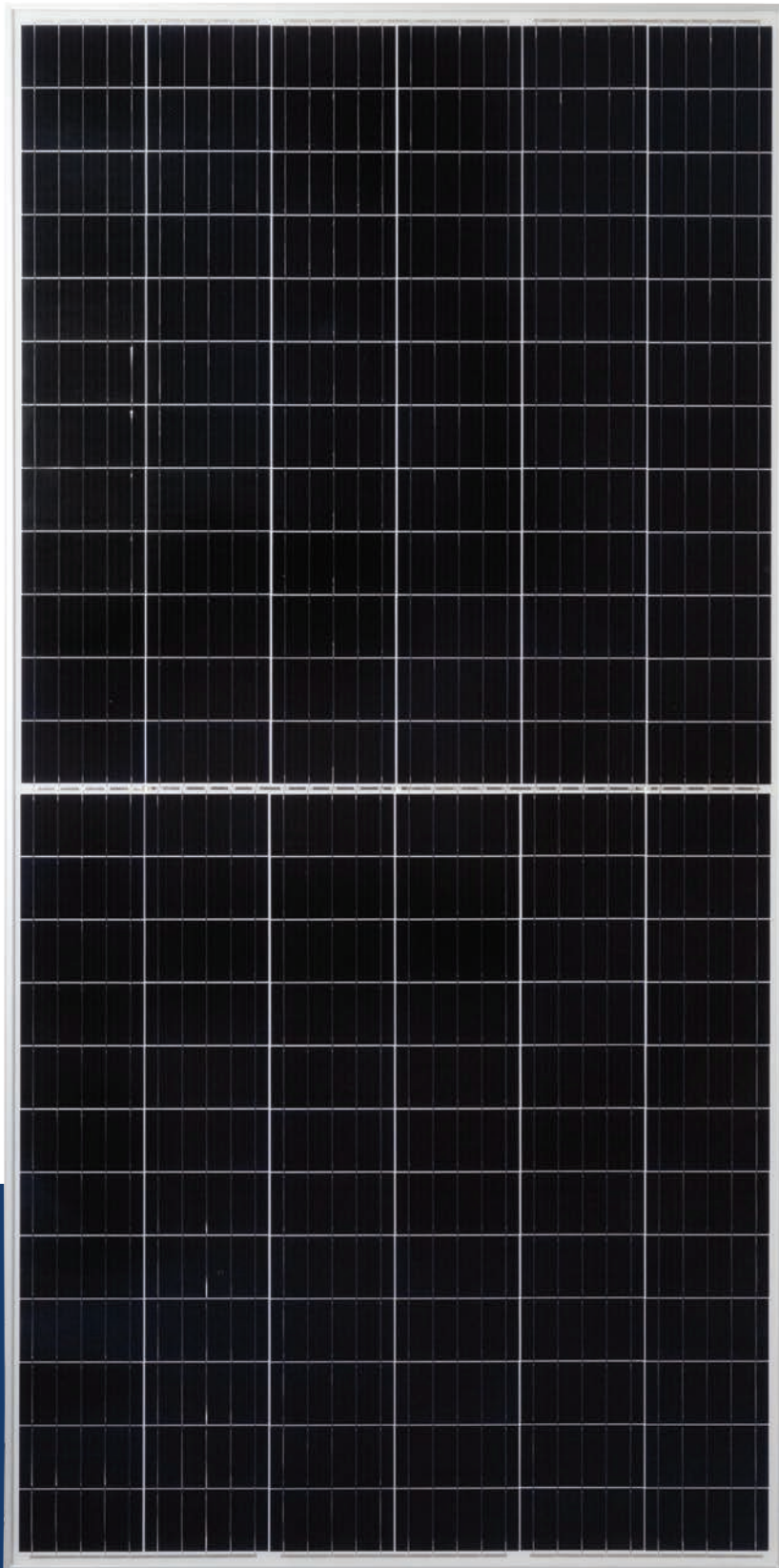
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DNA™ 144 Bifacial



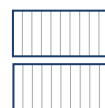
DNA™ 144 Silver Frame

450W | 445W | 440W



Patented Technology

Patented DNA Technology boosts power performance & module efficiency



Maximum Panel Density

Split cell technology increases power output & overall module performance



Shade Resilience

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