Corporate Overview

Who We Are

Designed & Engineered in Silicon Valley

Headquartered in Santa Clara, CA

Engineering & Administrative team based in CA

Sales & Product Engineer Associates across the U.S.

Technology Driven

Patented Dual Nano Absorber Technology, DNA™

Focused on lowering product cost by improving solar cell yield

Committed to producing innovative solar technology without premium markup

Accomplished Leadership

AST leadership team leverages decades of solar industry experience across the solar value chain to deploy high-performance modules that will benefit the installer and consumer

2022, Aptos Solar Technology

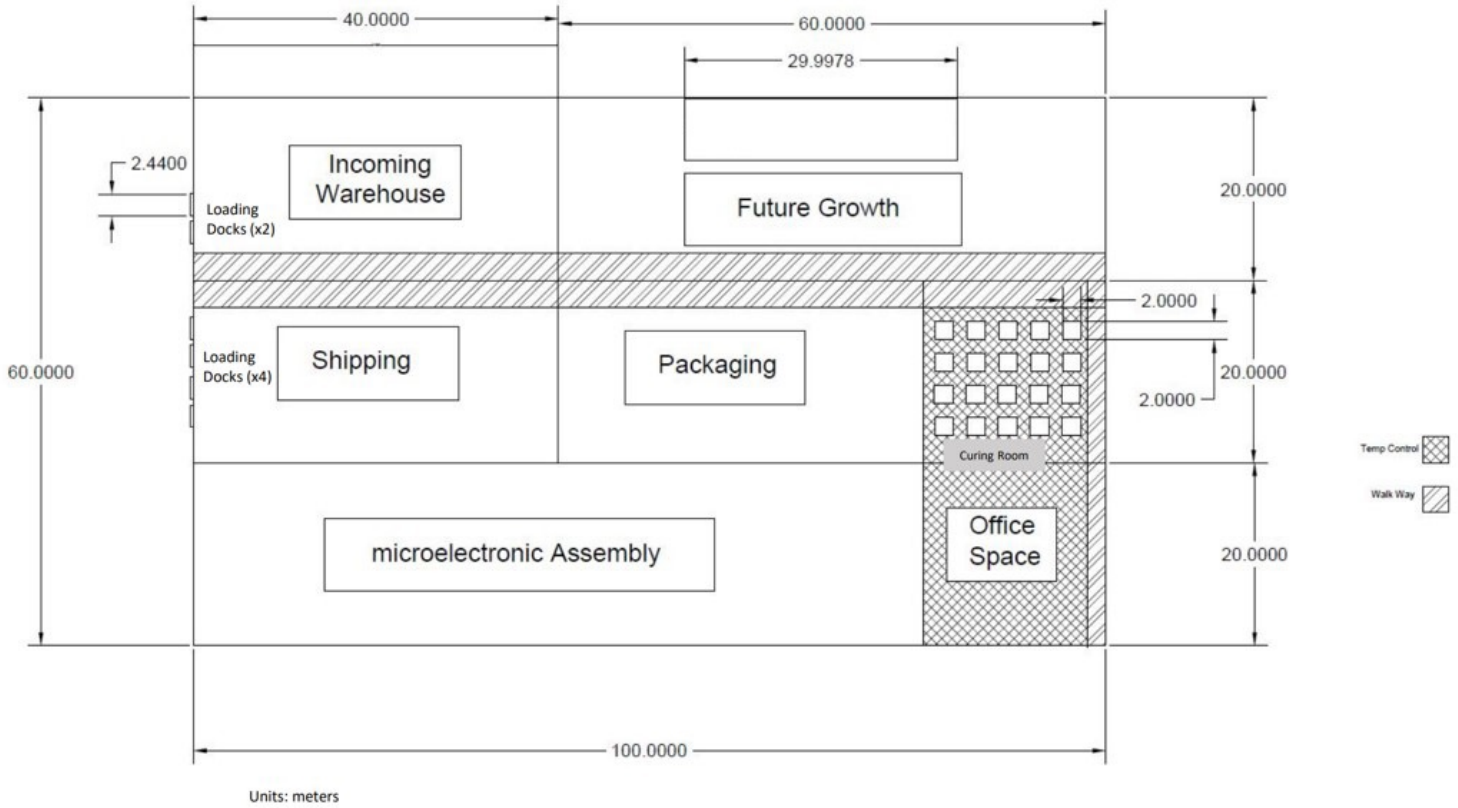
Global Operations

- ☑ 600 MW of annual module production capacity secured
- ☑ Expansion plans in place to double capacity through 2022
- ☑ Microinverter production commenced August 2021
- ☑ ISO 9001 & 14001 certified factories

2022, Aptos Solar Technology

U.S. Manufacturing

Coming Soon!



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Project Portfolio - Residential

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Project Portfolio - Commercial

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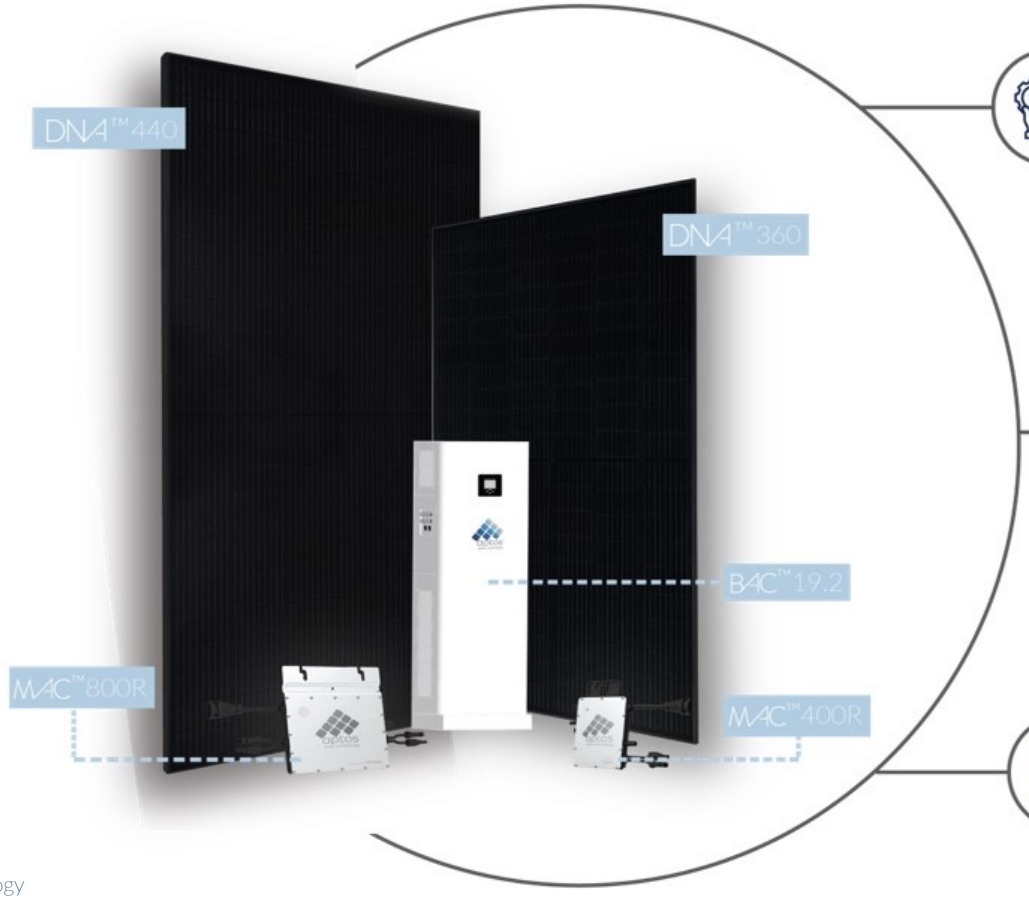
Total System Solution



Total System Solution Facilitates Streamlined Installation

10% More AC Power Output than the Competition

Industry Leading 30 Year Warranty

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DNA™ Monofacial

High-efficiency, half-cut cell panel
540 | 535 | 530
440 | 435 | 430

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

Durable Design

Certified to withstand up to 5400 Pa snow load and 6200 Pa wind load

aptos™
solar technology

2022, Aptos Solar Technology

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DNA™ Technology

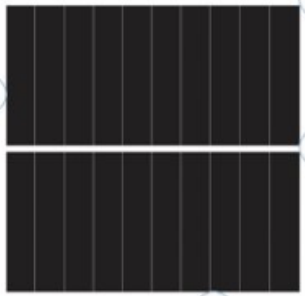
Standard Solar Cell

Clipped corners on a solar cell will leave unused space on the solar panel

Standard solar panels use fewer, thicker busbars and are less efficient at processing the flow of captured electrons

VS

DNA™ Split Solar Cell



Conrers of solar cells are not clipped utilizing more active area of panel by 5%

Split solar cells allow for greater panel density and increases power output

Additional passivated layer applied to solar cell allowing uniform light absorbtion

The use of 9 ultra-thin busbars allows for less resistance and more electron caprute

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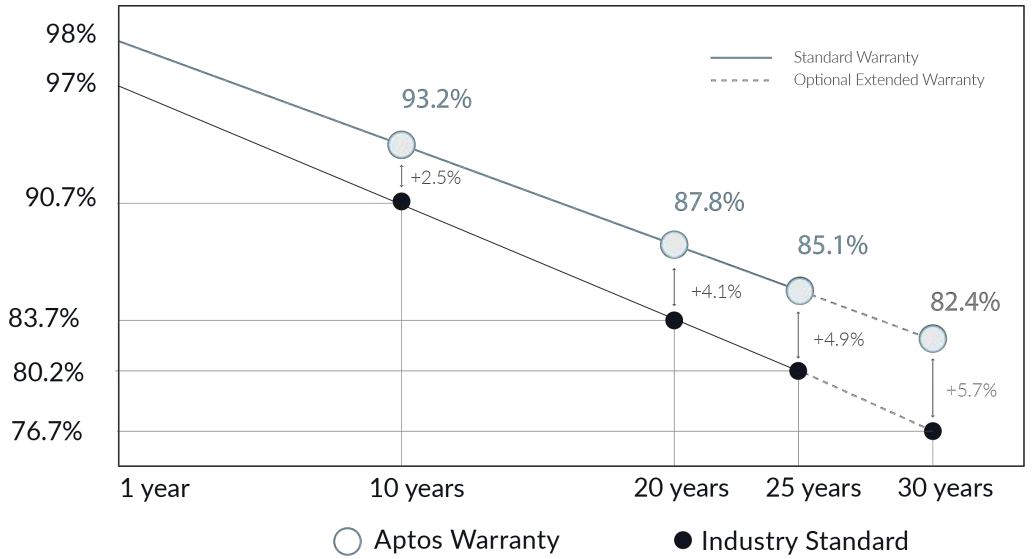
Warranty

Linear Performance Warranty



25 Year Product*

30 Year Peak Power*

Industry Leading Linear Performance Over Time

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Long-term Reliability

We have partnered with Renewable Energy Test Center (RETC) as our third-party testing laboratory to ensure our products exceed industry performance standards.

Damp Heat

PV modules are exposed to a controlled temperature of 85 degrees Celsius, and a relative humidity of 85%.

Mechanical Load

A 1000 Pa load is applied to the module surface both in the positive (+1000 Pa) and in the negative (-1000 Pa) direction.

Third-party Testing

Thermal Cycling

Thermal Cycling tests consist of cycling the modules between 85°C on the high end and -40°C on the low end.

Humidity Freeze

PV modules are subjected to cycling between temperatures of 85°C with relative humidity 85% and -40°C with no relative humidity control

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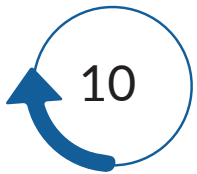
3X IEC Standard

Our solar panels perform 3X the baseline standard set by the International Electrotechnical Commission (IEC)

Thermal Cycling (TC)

IEC Standard	Aptos Solar
	
300	600
Cycles	Cycles

Humidity Freeze (HF)

IEC Standard	Aptos Solar
	
10	30
Cycles	Cycles

Damp Heat (DH)

IEC Standard	Aptos Solar
	
1000	3000
Hours	Hours

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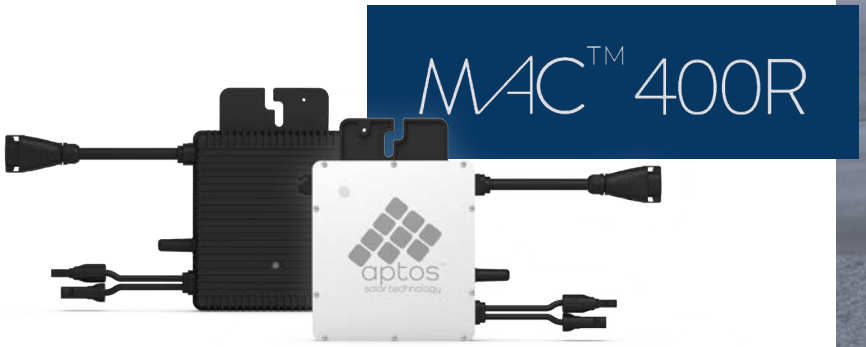
Microinverters

Over 7GW of long-term reliability testing hours spread across 28 countries

NEMA6 (IP67) enclosure rated for protection in harsh outdoor conditions

Compatible with 60 & 72 cell PV panels with daisy-chain interconnection

Built-in rapid shutdown feature in compliance with National Electrical Code (NEC)



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Competitive Landscape

	MAC 400R	MAC 800R	ENPHASE IQ8	ENPHASE IQ8+	ENPHASE IQ8A
Ratio	01:01	01:02	01:01	01:01	01:01
Maximum input voltage(V)	60	60	50	60	60
Maximum input current(A)	12.5	2*12.5	15	15	15
Commonly Used Module Power	320W-540W	320W-540W+	235 W - 350 W	235 W - 440 W	295 W–500 W
Min/Max start voltage	16V/60V	16V/60V	30V/48V	30V/58V	30V/58V
Peak output power(VA)	400	800	245	300	366
Maximum continuous output power(VA)	382	766	240	290	349
Maximum continuous output current (A)	1.59	3.19	1.0	1.21	1.45
Nominal output voltage/range(V)	240/211-264	240/211-264	240 V / 211-264 V	240 V / 211-264 V	240 V / 211-264 V
Nominal frequency/range (Hz)	60/55-65	60/55-65	60	60	60
CEC weighted efficiency	96.70%	96.70%	97.0%	97.0%	97.50%
Integrated Trunk Cable	YES	YES	NO	NO	NO
Warranty	25 YEARS	25 YEARS	25 YEARS	25 YEARS	25 YEARS

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Financing

Aptos Solar Technology solar panels are eligible for residential financing through:

goodleap

MOSAIC

sunrun

Sunlight Financial®

DIVIDEND

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Making Solar Energy Accessible

In partnership with GivePower, Aptos Solar Technology is providing solar-based solutions that power life's basic needs.

For each solar panel that is sold, Aptos donates a portion of its profits to GivePower.

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Thank you!

For More Information Please Contact Us

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