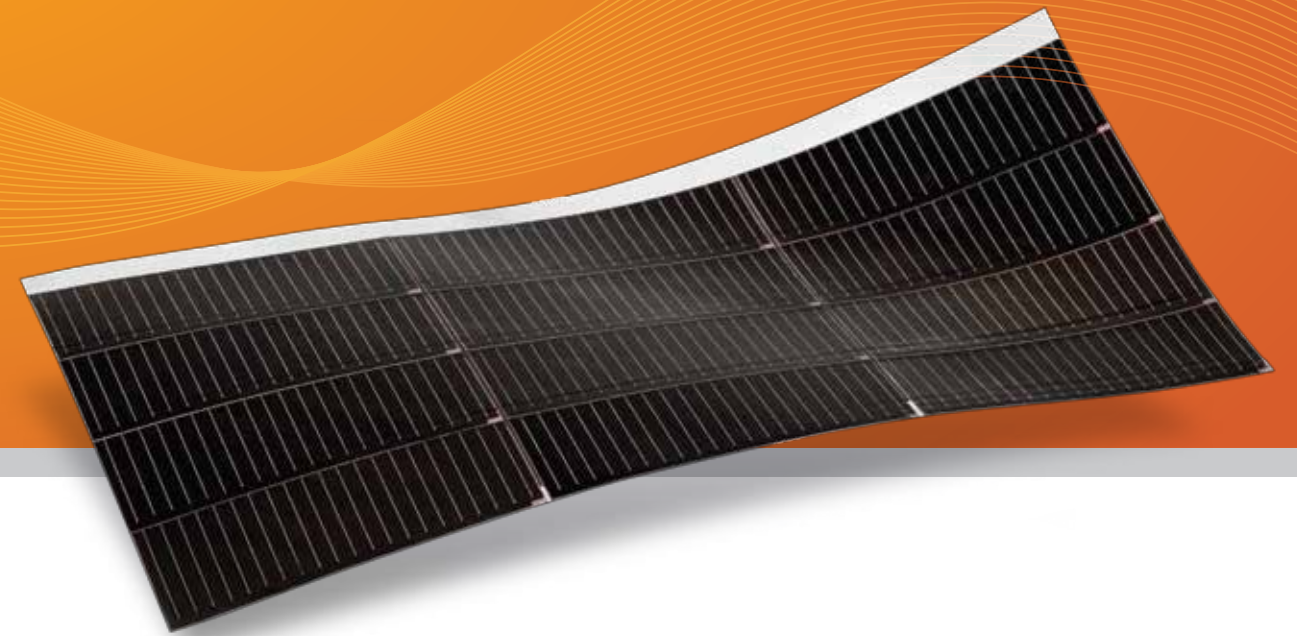


ALTA DEVICES

The World's Most Efficient Solar



Contact Alta Devices with your project needs:
info@altadevices.com

www.altadevices.com

1 (408) 988-8600
545 Oakmead Parkway
Sunnyvale, CA 94085

Manufactured in Silicon Valley, USA.

(em)Powering the Unplugged World™

30 minutes

in the sun to stay fully charged all day



5X more flight endurance

10 minutes

in the sun for a 15 min call



5X more power for IoT devices

Forever

flight time for HALE UAVs



20% more range for electric cars

Solar power to increase battery life with minimal design impact.



Unmatched Performance by holding single and dual junction solar efficiency records at 28.8% and 31.6% respectively, we produce more power per unit area than any other solar material.



Seamless Integration into plastic, carbon fiber, fiberglass, or foam molding along with tailored electrical voltage and current output optimized to your power system.



Lightweight and Flexible with a mass of only 174g/m², and the ability to bend to cover curved surfaces, we are industry-leading in our core design.



AnyLight™ Technology allows our solar cells to harvest a significant amount of energy from both indoor and outdoor light to ensure devices run longer under any lighting condition.

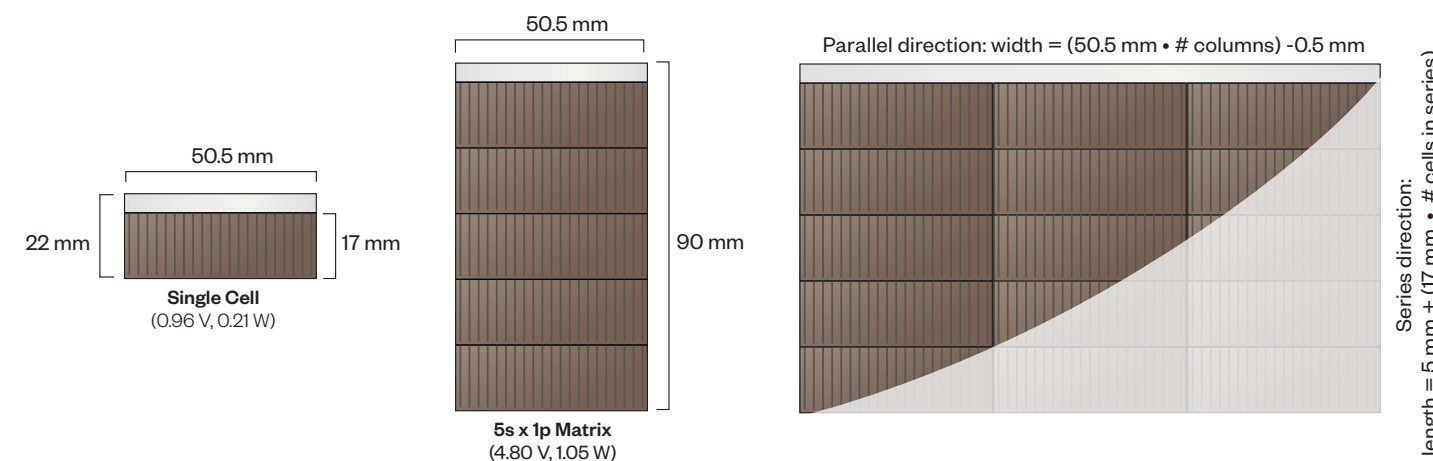


Designed to Fit with a cell size of 50 mm x 20 mm, and the capability to make custom arrays or shapes, we deliver a solar solution designed specifically to your product.



Robust and Rugged as a result of being made from a naturally inert crystalline structure, our cells are capable of surviving harsh environments and tough handling.

Configurable Shapes and Sizes



Key Specifications

Efficiency: Single, Dual-Junction	28.8%, 31.6%	Power per Single Cell	0.21 W
Power-to-Weight	> 1400 W/kg	Voltage per Single Cell: Voc [Vmp]	1.10 [0.96]
Power-to-Area	250 W/m ² (23 W/ft ²)	Current per Single Cell: Isc [Imp]	0.23 [0.22]
Weight-to-Area	174 g/m ² (0.57 oz/ft ²)	Flexibility	2 cm (0.8 in) radius of curvature

Note: Numbers are for the Alta Devices single junction solar cell under AM 1.5G standard test conditions for "Outdoor". For information on performance under other conditions or on our dual junction product visit www.altadevices.com or email us at info@altadevices.com.