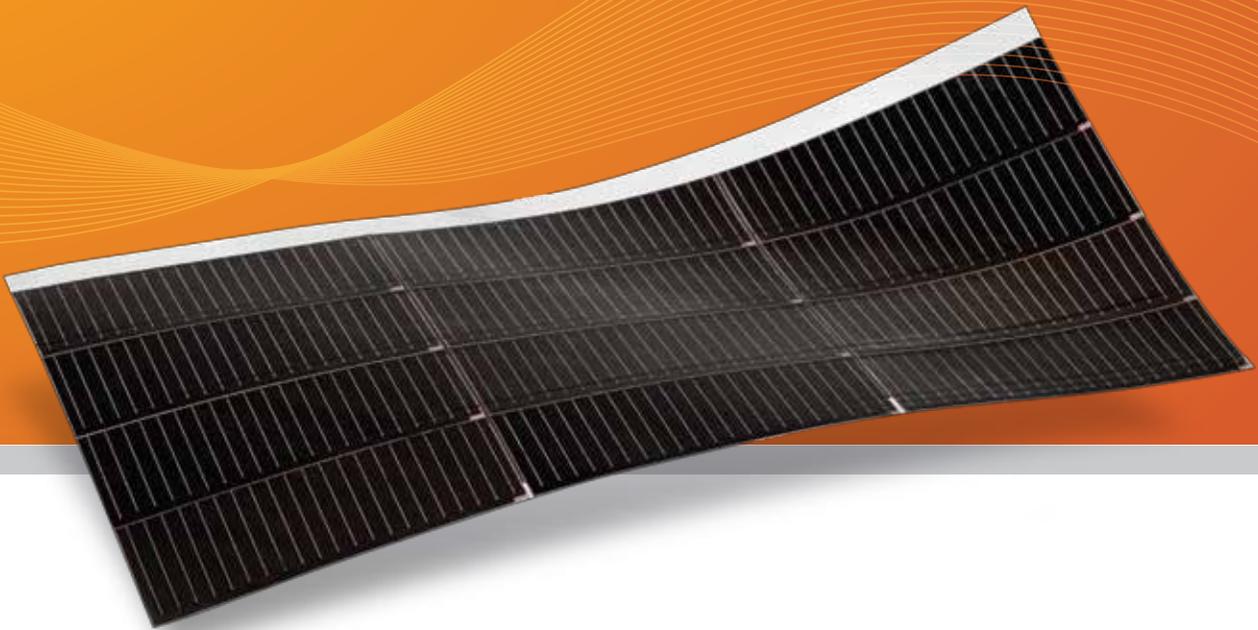


# ALTA DEVICES

The World's Most Efficient Solar



(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



## 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 170 g/m<sup>2</sup>, 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.



# 5X

more power for IoT devices



# Forever

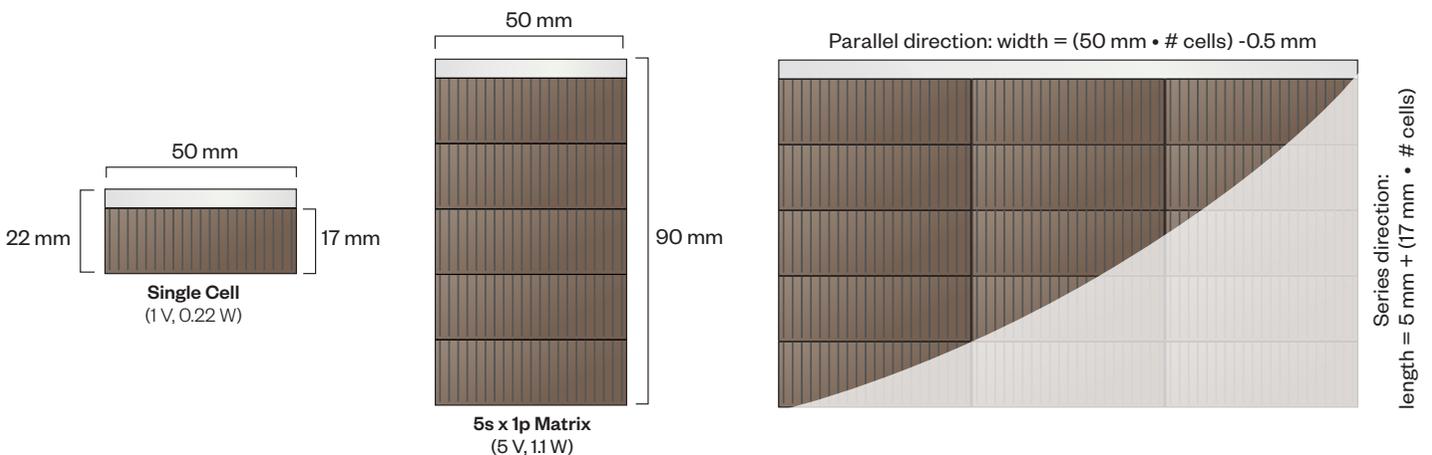
fly time for HALE UAVs



# 20%

more range for electric cars

## Configurable Shapes and Sizes



## Key Specifications

Efficiency: Single, Dual-Junction	28.8%, 31.6%
Power-to-Weight	> 1500 W/kg
Power-to-Area	260 W/m <sup>2</sup> (24 W/ft <sup>2</sup> )
Weight-to-Area	170 g/m <sup>2</sup> (0.56 oz/ft <sup>2</sup> )

Power per Single Cell	0.226 W
Voltage per Single Cell: Voc [Vmp]	1.09 [0.96]
Current per Single Cell: Isc [Imp]	0.236 [0.246]
Flexibility	2 cm (0.8 in) radius of curvature

Note: Numbers are for the Alta Devices single junction solar cell under AM1.5 standard test conditions for "Outdoor" and 200 Lux for "Indoors". For information on performance under other conditions or on our dual junction product visit [www.altadevices.com](http://www.altadevices.com) or email us at [info@altadevices.com](mailto:info@altadevices.com).



Contact Alta Devices with your project needs:  
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