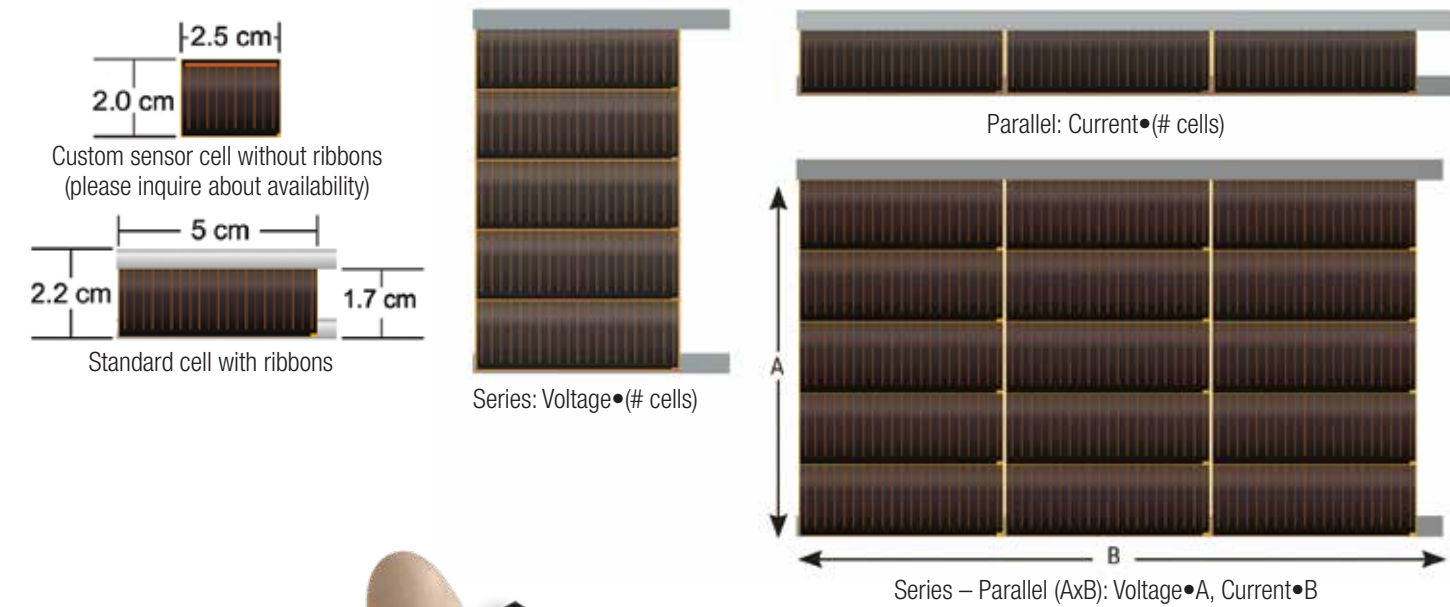
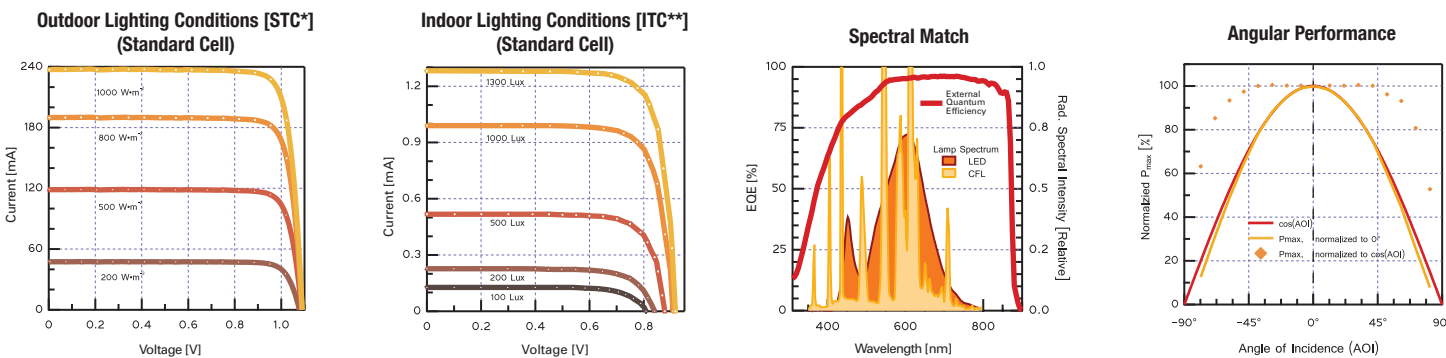


AnyLight™ Mobile Power Technology

Configurable Shapes and Sizes



World record efficiency of 28.8%
Power to weight ratio of 1 watt per gram
Operating temperature range of -80°C to +100°C
Power density of 250 watts per m²



*Standard test conditions [STC]: 1000 W/m², AM1.5, 25°C
**Indoor test conditions [ITC]: 2700K LED, 25°C

Single Cell Performance Under Varying Lighting Conditions

	Light Intensity	Output Power
Bright Sun	1000 W/m ²	214 mW
Indirect Sun	500 W/m ²	107 mW
Overcast	200 W/m ²	42 mW
Indoor Near Window	100 W/m ²	21 mW
Bright Industrial	1000 Lux	800 μW
Bright Office	500 Lux	390 μW
Warehouse	200 Lux	150 μW

Cell Electrical Properties

	Open/Short Circuit	Max Power
Voltage	1.09 V	0.96 V
Current	0.23 A	0.22 A
Power		0.21 W

Cell Temperature Properties*

Voltage	%/°C	-0.187
Current	%/°C	+0.084
Power	%/°C	-0.095

*Note: Percent change per °C from 25 °C

Single Cell Physical Properties

Dimensions	50x19.6 mm bare, 50x17.1 mm shingled
Thickness and Weight	110 ± 10 μm, 180 mg
Minimum Bend Radius	2 cm

System Properties

Encapsulation (weight in g/m ²)	None (237) PET (320) Ultra Barrier (889)
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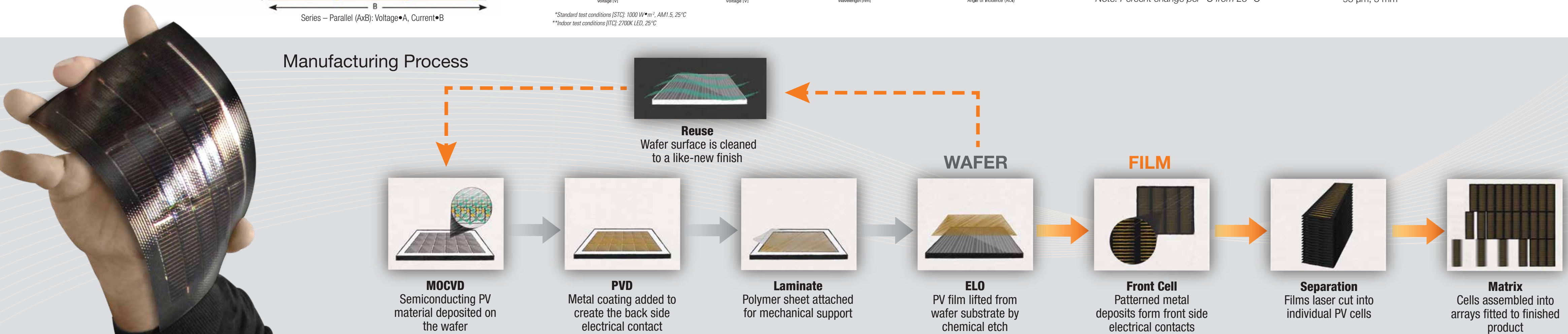
Power Density

Outdoors (250 W/m²), Indoors (18 μW/cm²)

Ribbon Properties

Material	Copper C110 w/ SnAg coating
Thickness and Width	95 μm, 5 mm

Manufacturing Process





UNMANNED SYSTEMS

Fly All Day

Endurance is Everything.

For small, unmanned systems, increased endurance means less risk of damage to the aircraft and the ability to cover more ground. Alta Device's AnyLight™ power technology gives you as much as 5X more daytime endurance, and at one gram per watt of power, has virtually no impact on aerodynamics.

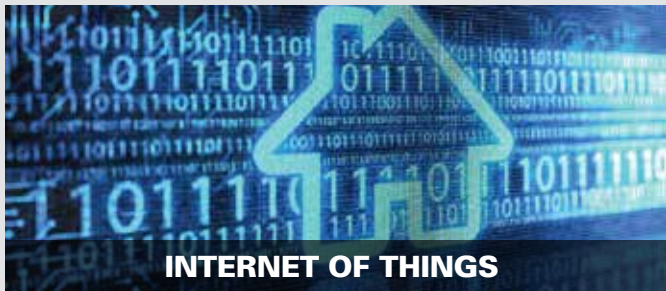


REMOTE POWER

Take It With You

A Mobile Life Needs Mobile Power.

Alta Device's AnyLight™ power technology is thin, flexible and lightweight yet generates enough power to charge your electronics while on the move. The high power-to- weight ratio makes it ideal for all remote power applications.



INTERNET OF THINGS

Eliminate Batteries

Big Data Starts with Small Sensors.

Give your critical sensors up to 5X more power with Alta Device's AnyLight™ power technology. Our thin, flexible, and lightweight cells can be integrated into sensors for home, building, or factory automation.



CONSUMER DEVICES

Stay Charged

Free Yourself from the Cord.

A mobile device using Alta Device's AnyLight™ power technology can capture light and convert it to extra battery life throughout the day. Just 10 minutes of sunlight on a typical smartphone gives you enough charge for a 15-minute phone call.

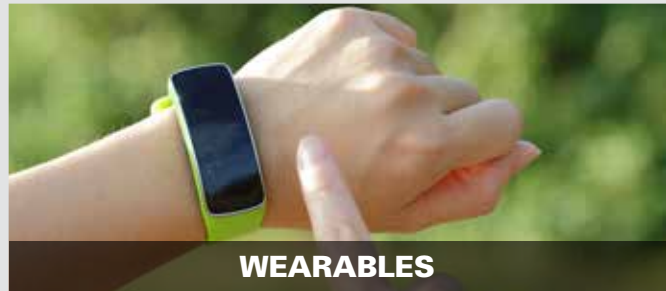


AUTOMOTIVE

Extend Range

Harness the Power of the Sun.

Most cars are exposed to the sun all day. With Alta Device's AnyLight™ power technology, that sunlight can be used to charge your battery, extend your range, and cool your car throughout the day.



WEARABLES

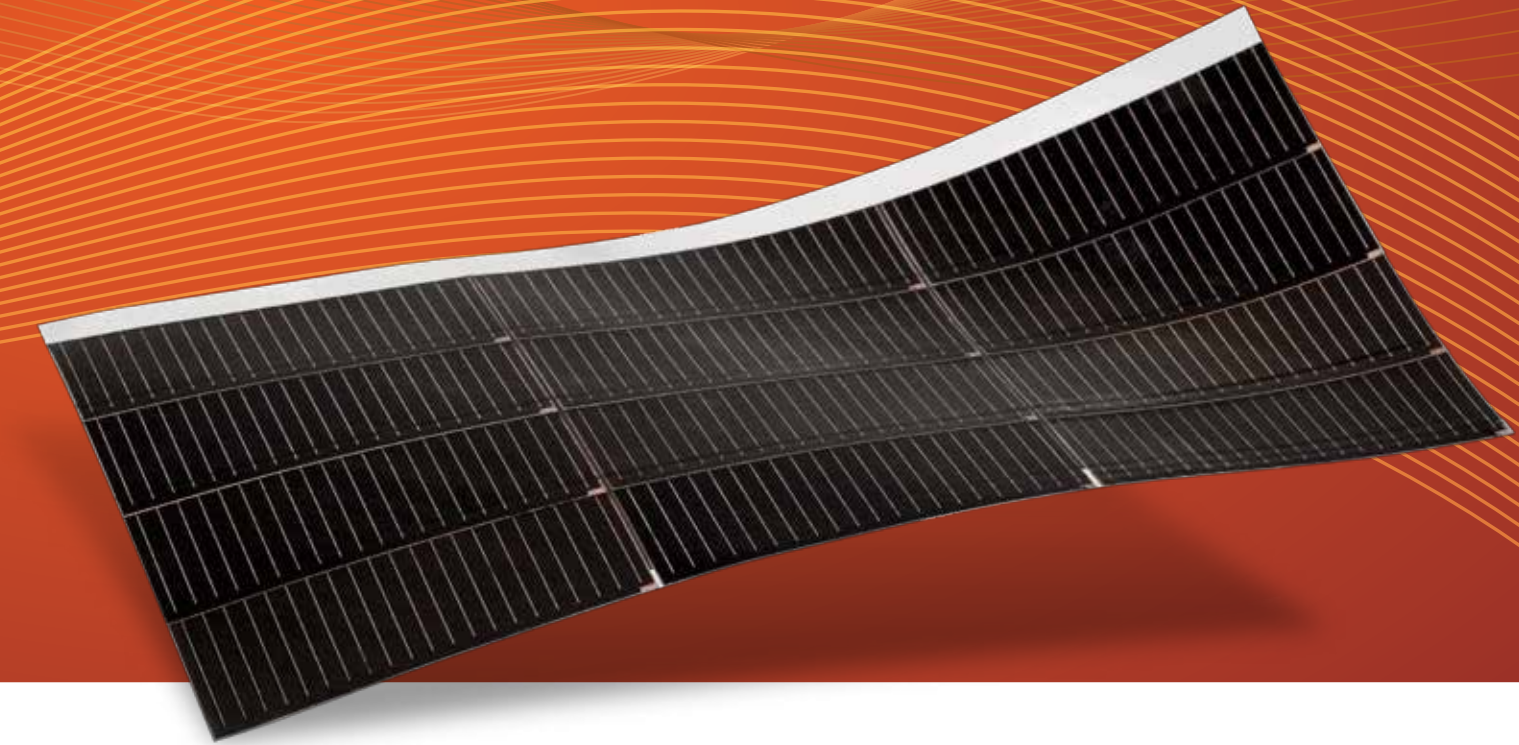
Wear It Longer

Your Wearable Device Should Stay Worn.

A wearable device is only useful when it's worn. With Alta's AnyLight™ power technology, your device can stay on your wrist longer and can completely recharge itself with only 30 minutes of exposure to sunlight.

ALTA DEVICES

(em)Powering the Unplugged World™



www.altadevices.com

1 (408) 988-8600
545 Oakmead Parkway
Sunnyvale, CA 94085
info@altadevices.com

AnyLight™ Mobile Power Technology

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