

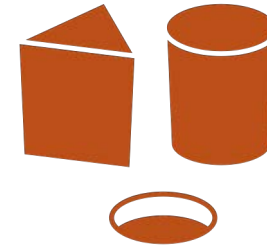


Revolutionizing Wearables with Conformal Batteries
SMART ePANTS Lightning talk

Today's Lithium-Ion Cells Limit Electronics Design



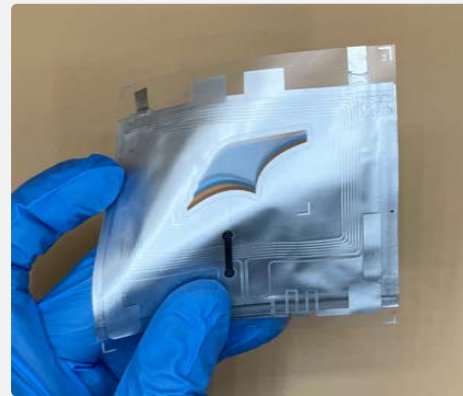
Rigid



Shape-Limited



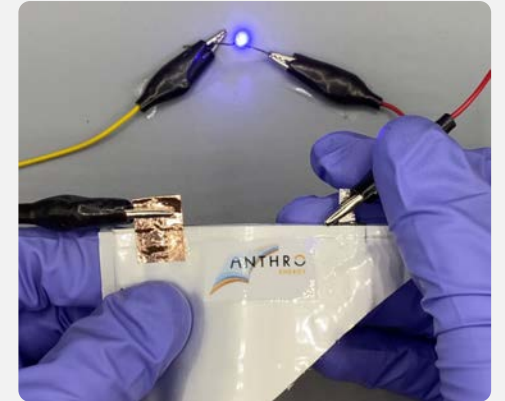
Unsafe



Flexible

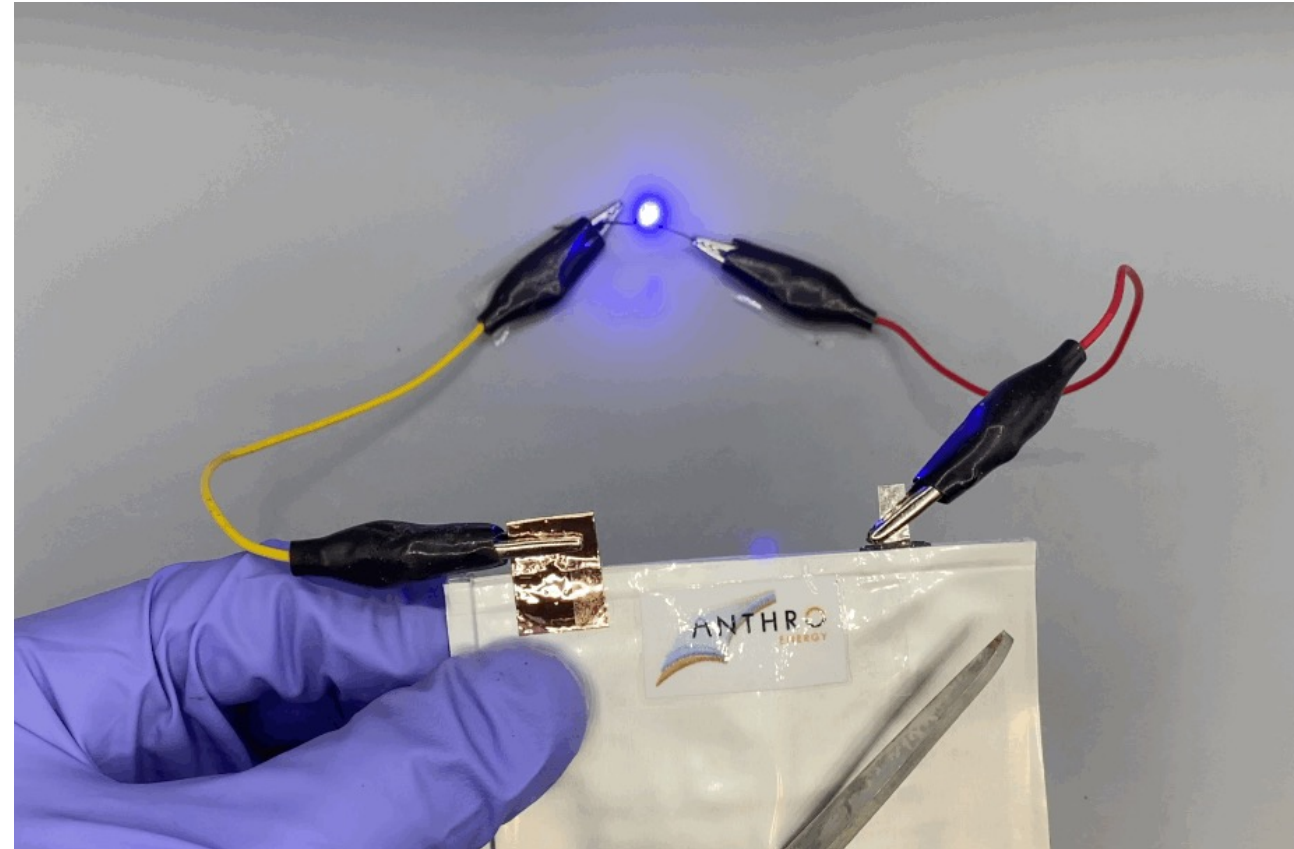
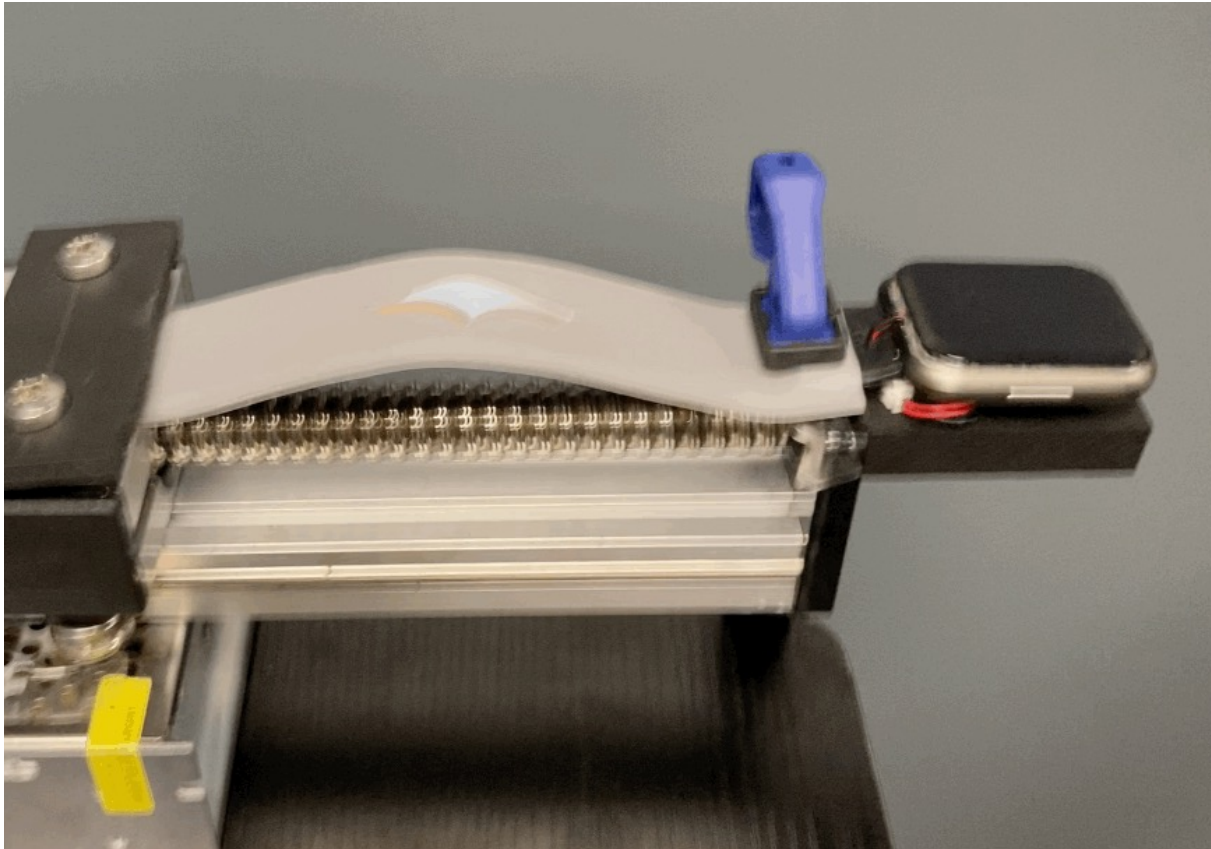


Versatile



Safe

Unprecedented performance with extensive testing



Flexible

High Performance

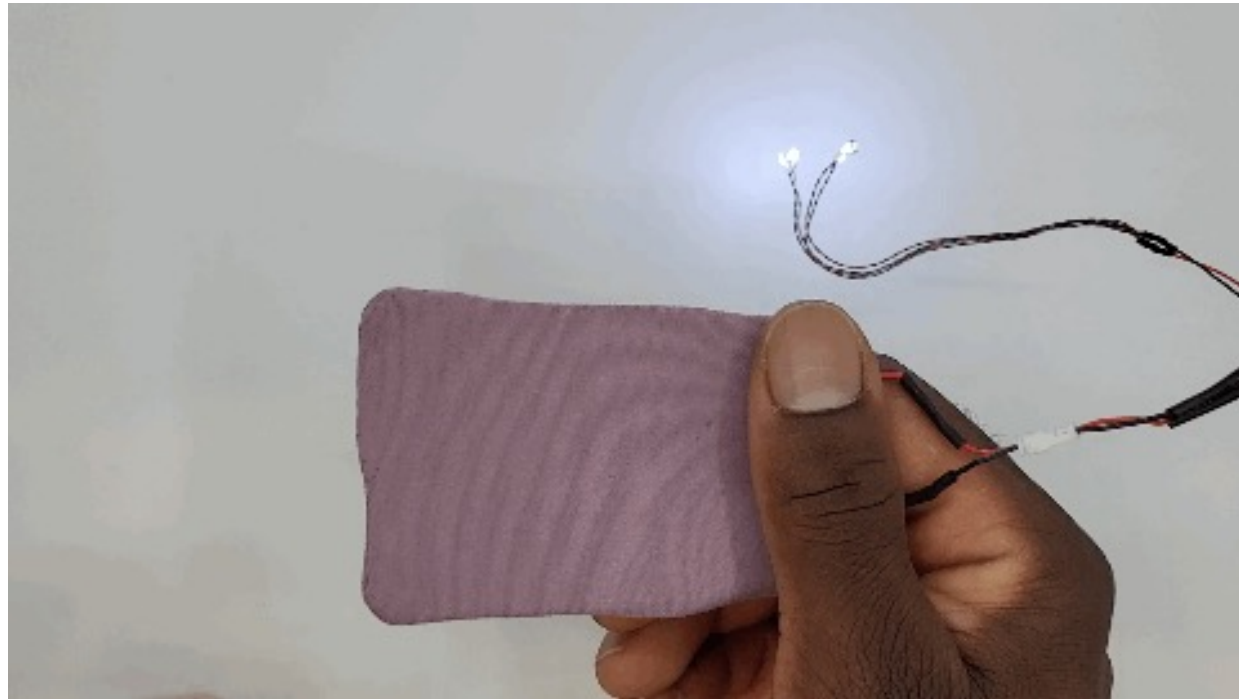
Safe

Key Capabilities: Specifications

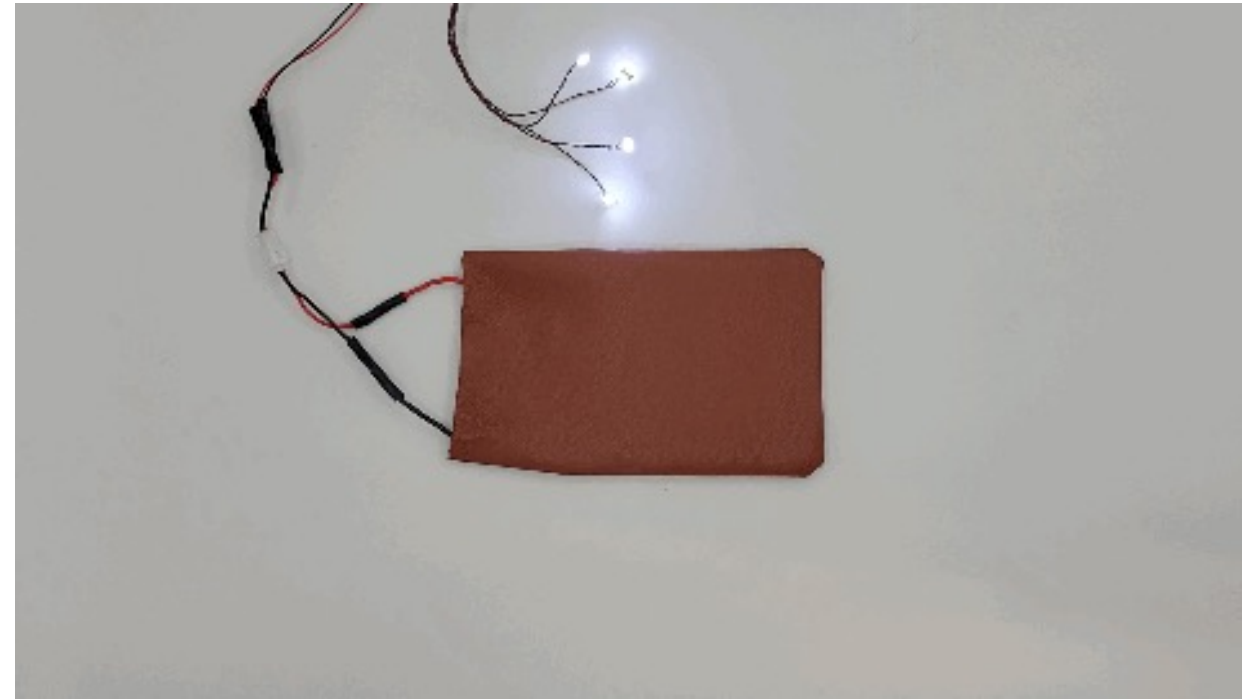
Metric	Capability
Capacity	50 mAh – 500+ mAh, depending on size
Voltage	3.7 V, can be increased with multiple cells
Charge/Discharge Rate	1C (1 hour charge/discharge)
Thickness	0.5 mm – 2 mm
Dimensions	1.5 cm to 15 cm in each direction
Cycle Life	800+ cycles
Bending Radius	2mm-20mm, depending on thickness
Bending Cycles	10,000+
Bending Modes	Multi-axial folding, torsion
Temperature Range	-20C to 60C
Flammable	No
Washable	Yes, with proper encapsulation
Shelf-Life	>1 year



Key Capabilities: Encapsulation and Connection



Textile Encapsulant



Faux Leather Encapsulant

Anthro Energy x SMART ePANTS



Anthro Energy batteries are **Light Weight**

Anthro Energy batteries are **Thin (< 1mm)**

Anthro Energy batteries are **Safe**

Anthro Energy batteries are **Customizable**

Anthro Energy batteries are **Flexible**



We can work with you to enable **new designs**, **new technologies**, and **new capabilities**