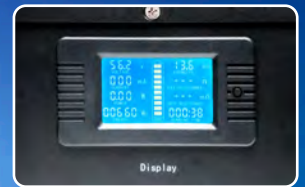
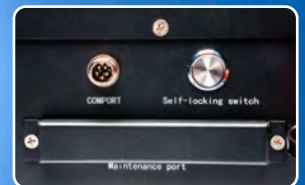


# SUPER CAPACITOR



Digital Display



Ports / Switch



Positive Lead

The world is on the precipice of a massive surge in the demand for electricity, specifically clean electricity. Humankind's shift from antiquated and inefficient methods of storing power is the next global revolution of our time.

Efficient and reliable energy storage is critical to facilitating the world's growing dependency on electronic devices. Be it smart phones or smart homes, these products are becoming evermore critical to the functioning of our electrified society.

Regardless of the generation source, whether it is from traditional hydrocarbons or newfound renewables, storage has become an essential and critical component to be maximized.

The Super Capacitor can be used in almost any required or beneficial power storage situation and is scalable within any industry or sector.

 **FIRST LINE**

(833) 622-2244


[www.firstlinefs.com/supercapacitor](http://www.firstlinefs.com/supercapacitor)




## SUGGESTED INDUSTRIES

 **RECREATIONAL MOBILITY**  
Motor Homes, Golf Carts, Marine Applications

 **CONSUMER MOBILITY**  
EV's - Cars and Motorcycles

 **MUNICIPAL**  
Buses, Trains and other Mass Transit Systems

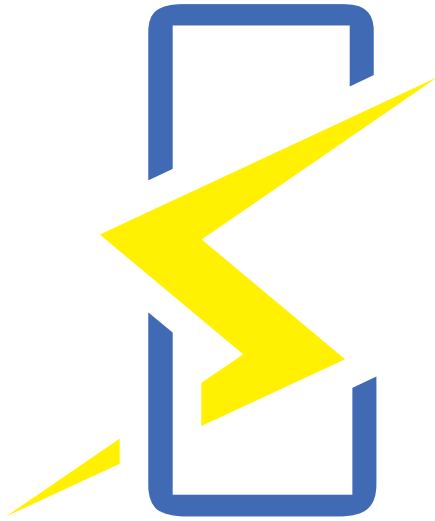
 **STORAGE**  
Utility Scale Storage for traditional and renewable power facilities, Communications & Tech

 **STATIC**  
Cell Towers

 **MOBILE**  
Cell Phones, Laptop Computers, Tablets, etc.

 **REAL ESTATE RESIDENTIAL**  
Storage solutions for homes with solar

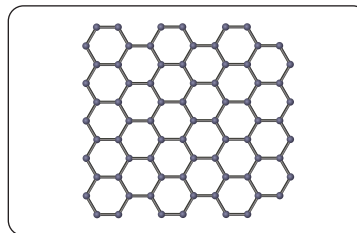
 **COMMERCIAL**  
Back Up Systems for all critical building systems



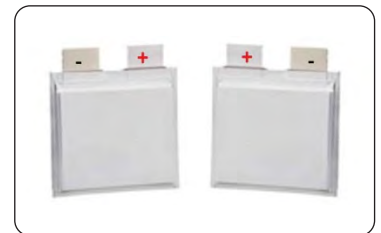
# SUPER CAPACITOR

The Super Capacitor is made from nearly pure (99.9997) Graphene, a ONE ATOM thick carbon allotrope, that is now the most conductive material known on earth, surpassing copper and is a superior material of charging/ discharging and storing electricity.

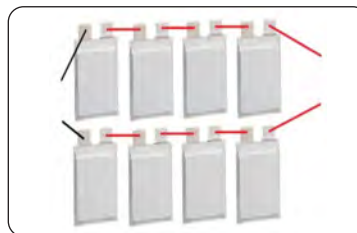
The Super Capacitor is created by layering the Graphene and combined with a Battery Management System (BMS) to create a high-powered capacitor superior to today's batteries in every relevant metric.



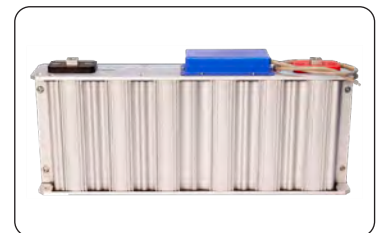
Graphene Matrix



Power Pack



Power Pack Array



Super Capacitor

	SUPER CAPACITOR	LITHIUM ION	LEAD ACID
Charge Time	5-7 minutes	4-6 Hours	8-10 Hours
Depth of Discharge	100%	80%	50-70%
Cycles	20,000+	3000 - 5000	200 - 300
Energy Density (wh/kg)	230-330	150-230	100
Power Density (w/kg)	2000	150-230	100
Personal Safety	None	Potential Fire Hazard	Corrosive Acid
Environmental Safety End of Life	Non Toxic	Toxic Disposal Chemical Recycling	Toxic Disposal Chemical Recycling
Temperature Tolerance	-40F to 150F	-4F to 120F	-4F to 110F
Transportability	No Restrictions	Restricted	N/A
Life Time Cost	No Replacement	Replacement (5-7 Years)	Replacement (3-5 Years)