

**HYBRID  
SUPER  
CAPACITOR  
DRY-BASE  
GRAPHENE+  
BATTERY**

Information Sponsored by:  
Qpacity LLC and Critical  
Period Risk Management  
A division of Critical Period  
Insurance Agency Inc.

"Custom, Made-to-Order, Battery Solutions, Built to Your Requirements and Specifications"



**Proven, durable, technology that replaces  
lithium-ion and lead batteries**

# INTRODUCTION

Critical Period Insurance Agency has over 100 years of management experience in the insuring and warranting of new technology. Over the years, we have been awarded the opportunity to underwrite many new products and services that have advanced the alternative energy industry.

When our clients introduce us to new, disruptive and competitive technological advances, we share these innovations with our network.



The power packs (batteries) custom manufactures for its clients not only meet client performance specifications, but simulatoulsy solve client issues relating to

- \* Safety
- \* Environmental Disposal and Recycling
- \* Lifecycle duration and product life
- \* Transportability
- \* Superior Battery Management System
- \* Customized charge/discharge programming





**Q-PACITY**  
Hybrid  
Super Capacitor  
Dry-Base  
Graphene+  
Batteries

## WHAT IS GRAPHENE?

## WHAT IS GRAPHENE +?

proprietary properties  
and formulations.  
The secret sauce!

- AdIt is an extract from graphite.
- Known as a carbon allotrope, zero-gap, semi-conductor

- It is 200 times stronger than steel, but is only one atom thin and is flexible
- It conducts electricity better than copper



 **PACITY**  
Production can  
deliver  
customer  
specifications  
on hundreds of  
batteries per  
month per



**NO CHEMICALS**



**NO RISK OF FIRE**

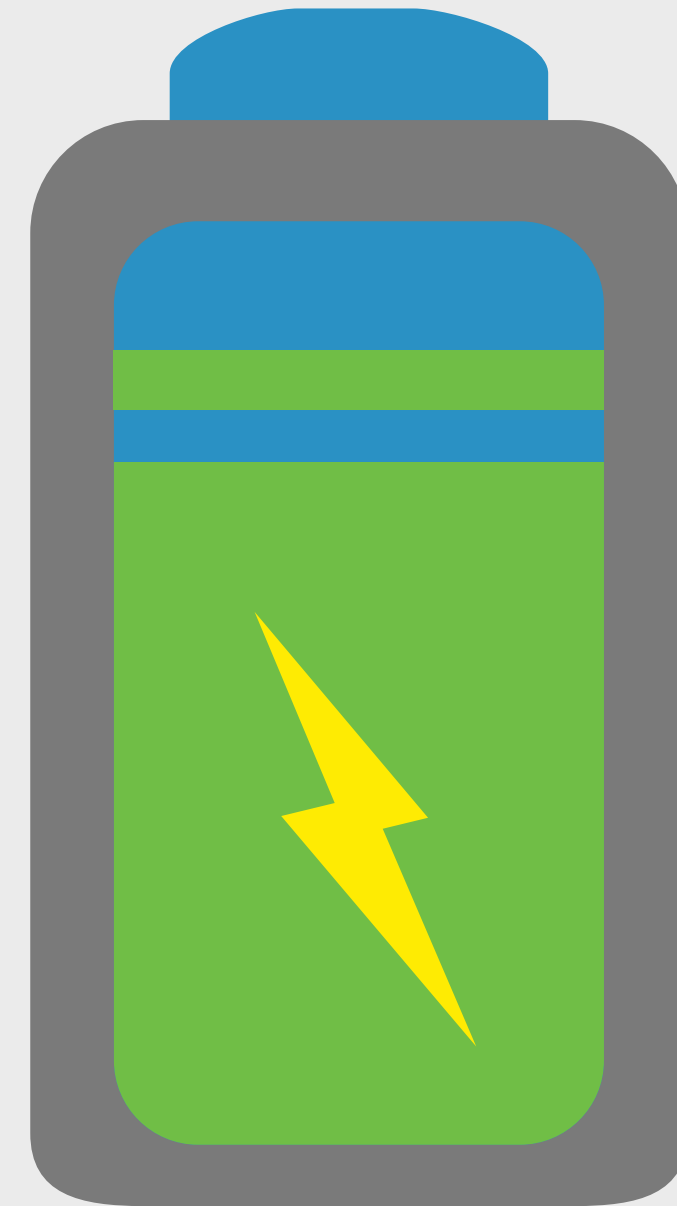


**NO SHIPPING  
RESTRICTIONS**



**NO TOXIC  
WASTE**

**WE OFFER END-OF-LIFE  
RE-MANUFACTURING  
PROGRAM AND  
RECYCLING PROGRAM**



FULL RECHARGE IN AS LITTLE AS  
5 MINUTES

PROGRAMMABLE CHARGE/DISCHARGE  
BATTERY MANAGEMENT SYSTEM





UP TO

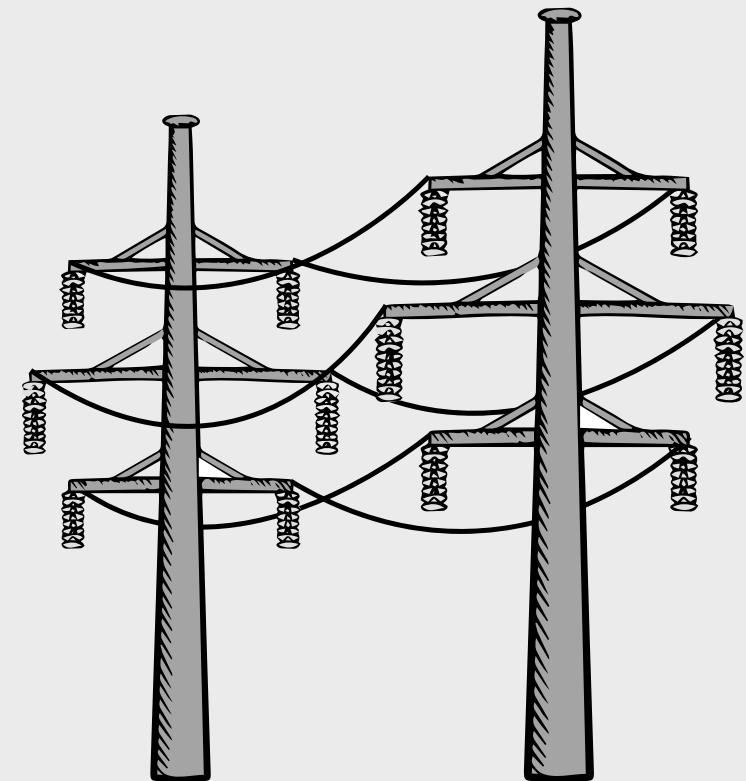
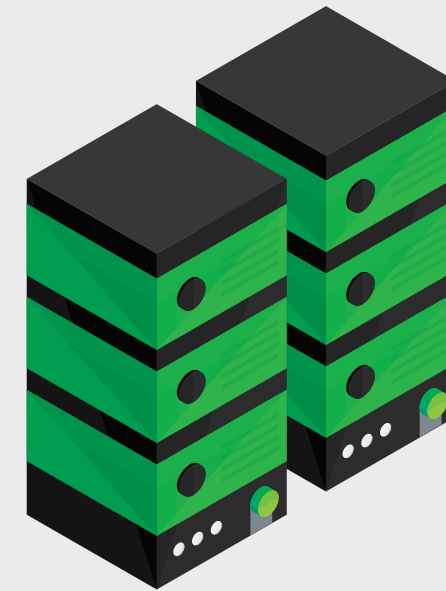
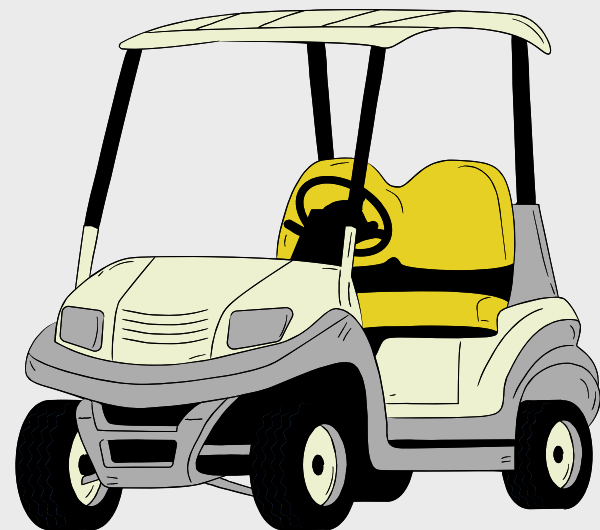
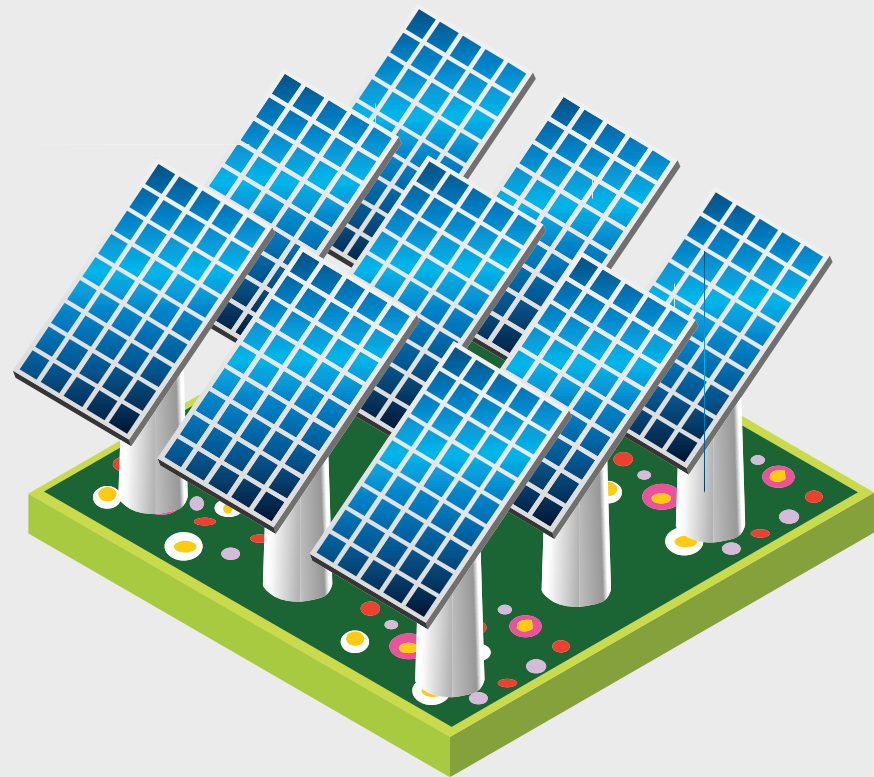
600 MILES



ON MOST E-VS



Unlimited, Custom-Designed Solutions to  
Your Specifications

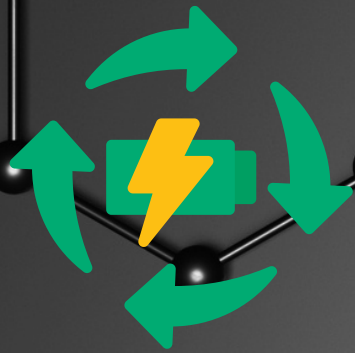


# ENERGY STORAGE – SOLAR OR WIND

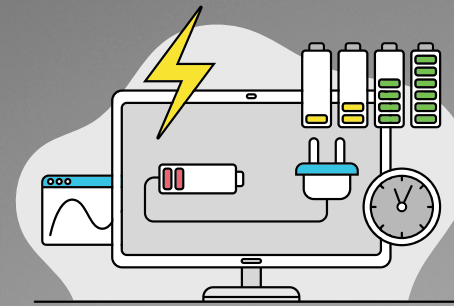


SUPERIOR STORAGE CAPABILITIES  
WITH “Qpacity POWER INSIDE”

# A RECAP OF Qpacity POWER ATTRIBUTES



Complete recharge in minutes vs. hours



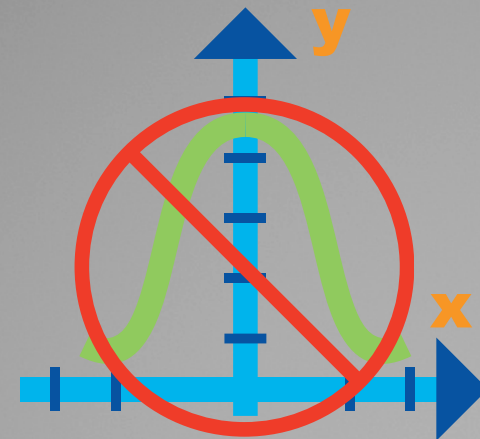
Longer programmable discharge rate



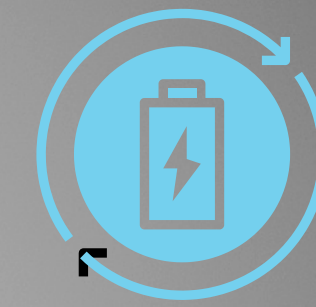
Significantly more economical



Chemical free – no environmental hazards



NO BELL CURVE ON POWER



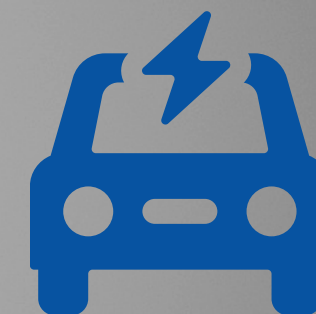
1 Million charge & discharge cycles vs. 3,000 to 5,000



Available from 1kW to 1MW capacity



Completely Safe – No fire hazard

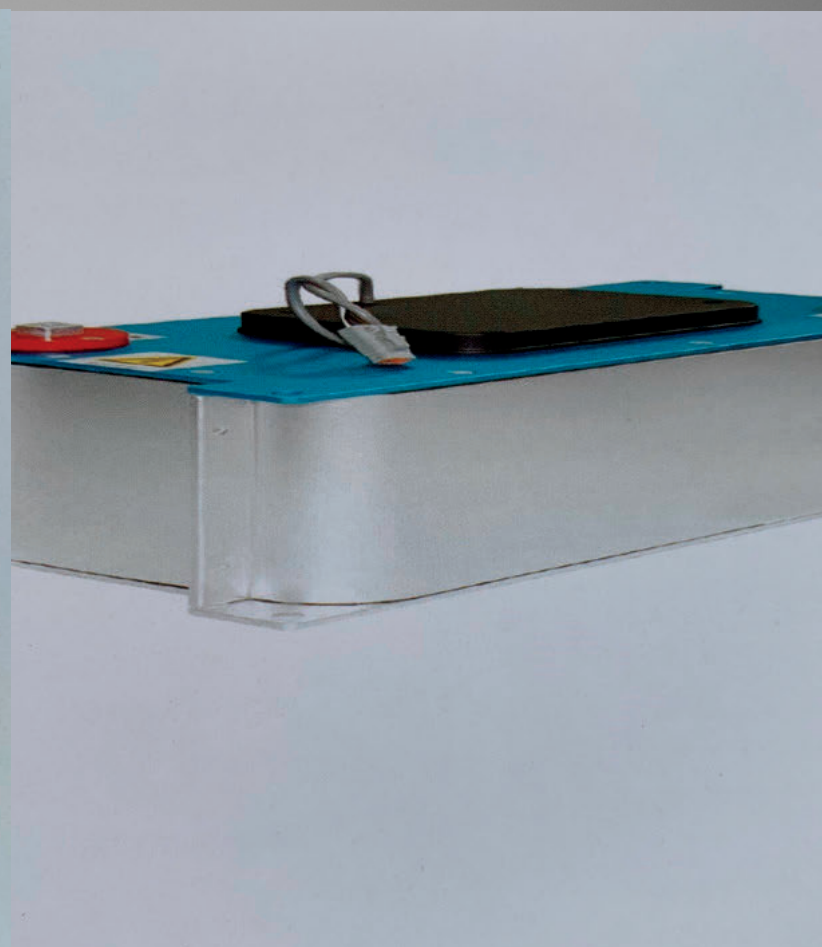
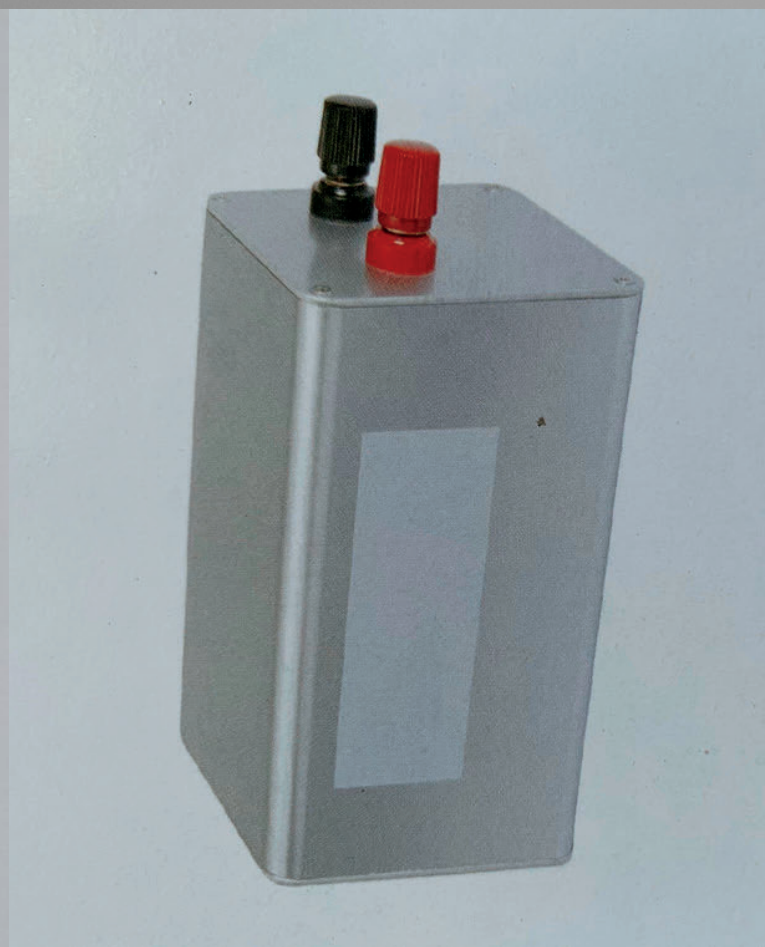


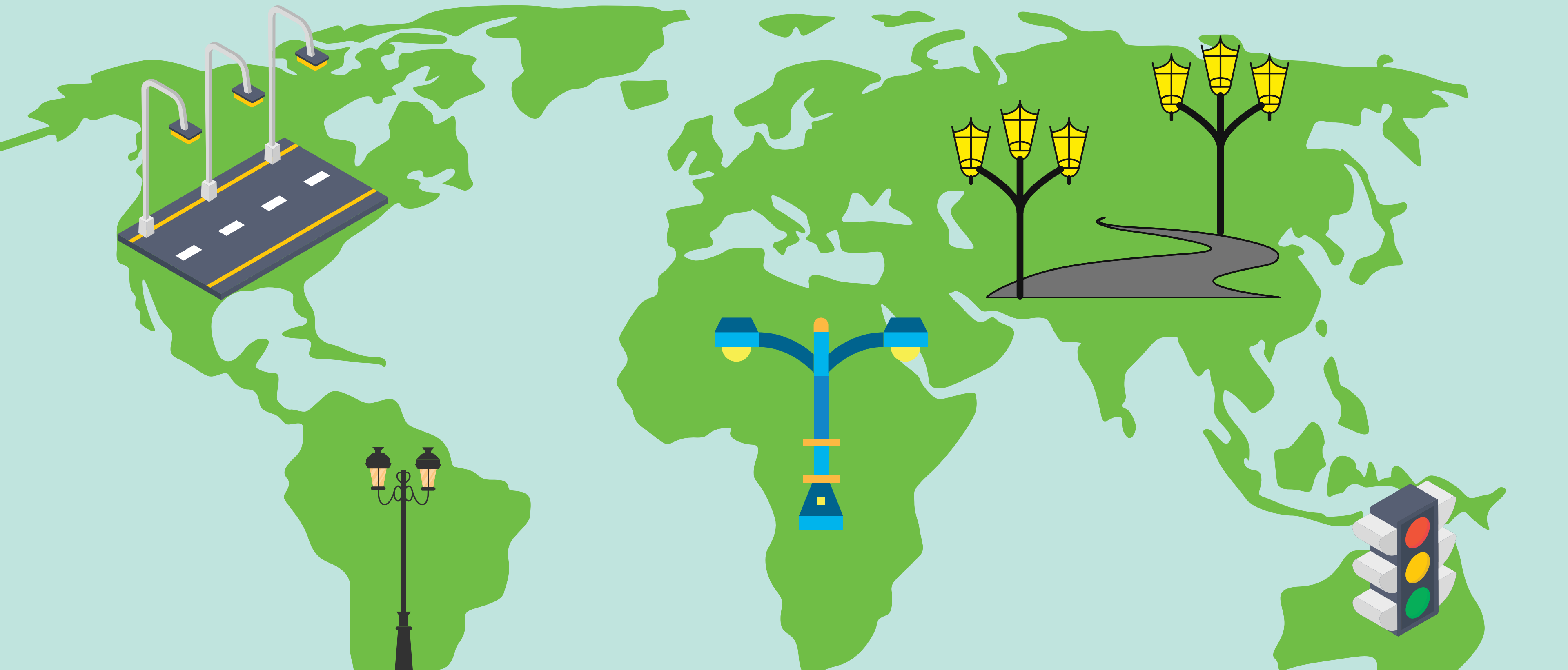
Can power an automobile for 600 miles vs 275 miles

# COMPARATIVE ANALYSIS

| FUNCTION                   | Q BOND                                     | LEAD ACID          | LITHIUM        |
|----------------------------|--------------------------------------------|--------------------|----------------|
| Charge Time                | 3 to 6 minutes                             | 4 to 8             | 1 to 2 hours   |
| Charge/Recharge Life Cycle | 1,000,000                                  | hours 200          | 3,000 to 5,000 |
| Energy Density (Wh/kg)     | Phase 1: 200 to 240<br>Phase 2: 230 to 330 | to 300<br>40 to 50 | 150 to 250     |
| Power Density (W/kg)       | > 2000                                     | < 100              | 150 to 250     |
| Depth of Discharge         | 100%                                       | 50% to 75%         | 80%            |
| Efficiency                 | 96%                                        | 60% to 75%         | 85% to 95%     |
| Temperature                | -30 to 85 c                                | -20 to 50 c        | -20 to 45 c    |
| Tolerance Cost/kWh         | To specifications                          | \$100              | \$200          |

ANY SHAPE ANY SIZE





LIGHTING STREETS AROUND THE GLOBE WITH  
Q POWER GRAPHENE TECHNOLOGY

# For Your customize Power Needs

## Please contact us @:



[www.Qpacity.io](http://www.Qpacity.io)



[Redacted email address]



[Redacted phone number]

