## **CSIR-CMERI Developed Graphene Based Ultra Capacitor**







## **Features**

- Targeted cell capacitance and energy density are over 200-250 F and 30-40 W h/kg
- Light weight
- Low cost than similar capacity available in the market
- High reliability (-40<sup>0</sup> to 60<sup>0</sup> centigrade)
- Unlimited charging-recharging cycle





## Introduction

Ultra Capacitor is a fast charging energy storage device which can be charged within 2-3 second and can deliver a brust power on demand.

Central Mechanical Engineering Research Institute (CSIR-CMERI), Durgapur, have developed a technique for scaled-up production of graphene-based super capacitor. The developed Graphene having large surface area material, which is now being used to fabricate ultra-capacitor cell.