

# **Technical Information and Experimental Test Results for Turnigy Graphene 5Ah 65C**

*Testing performed at McMaster University, Hamilton, Ontario, Canada*

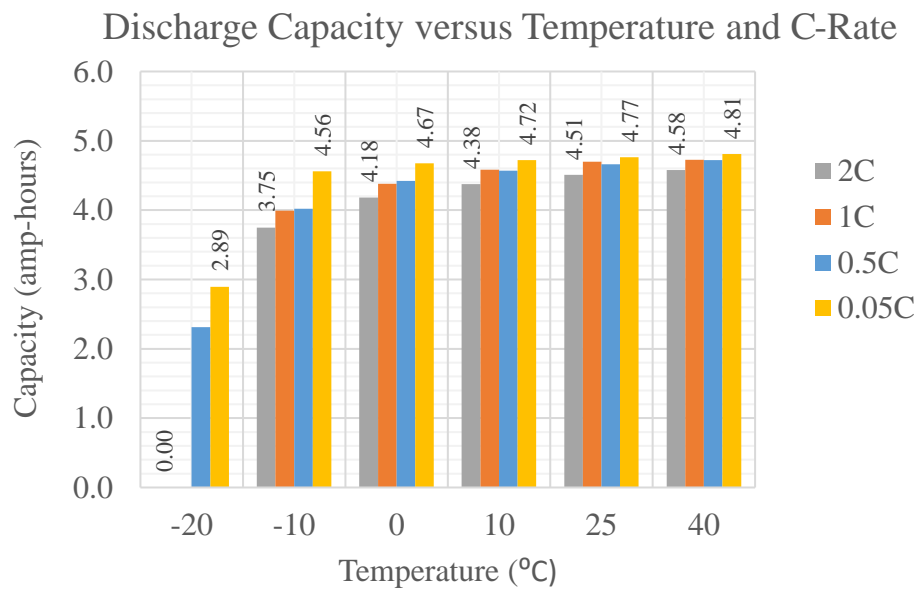
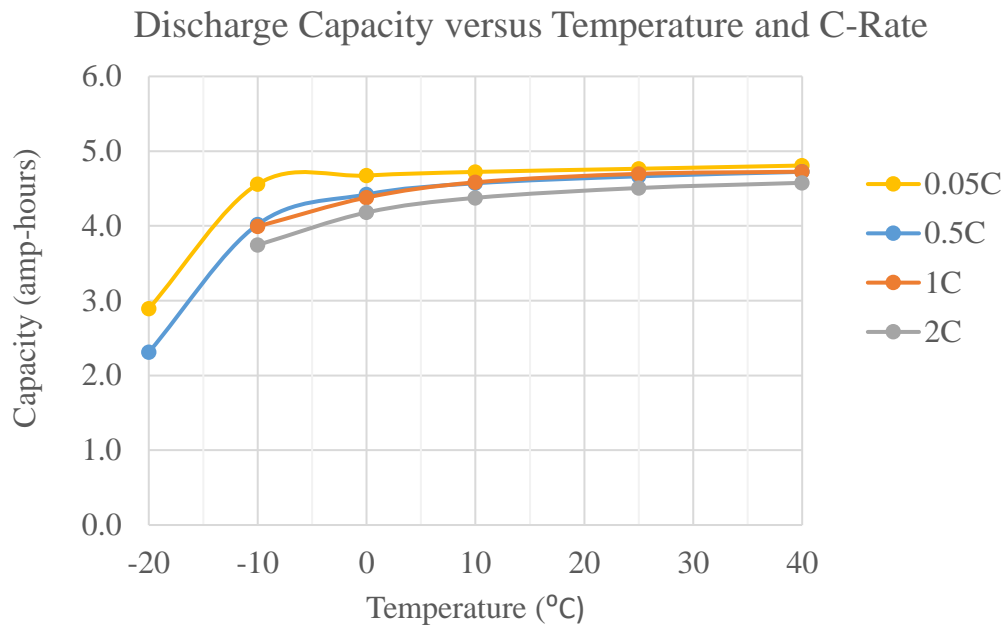
## 1- Battery Main Specifications

<b>Chemistry</b>	<b>LiPO</b>
<b>Nominal Voltage</b>	<b>3.7 V</b>
<b>Charge</b>	<b>4.2V, 50mA End-Current (CC-CV) Fast</b>
<b>Discharge</b>	<b>2.8V End Voltage, 20A MAX Continuous Current</b>
<b>Nominal Capacity</b>	<b>5 Ah</b>
<b>Energy Density</b>	<b>134 (Wh/Kg)</b>

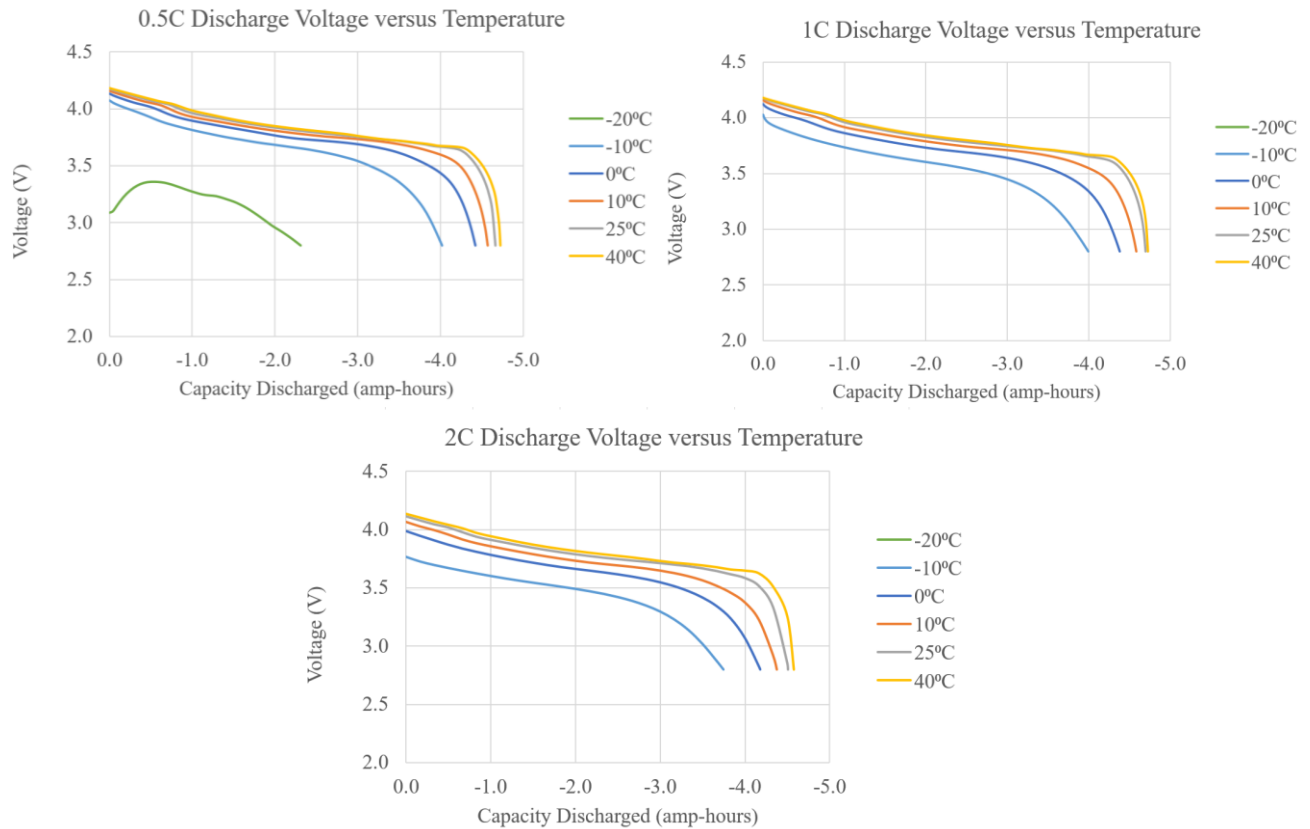
Cell removed from *Turnigy Graphene 5000mAh 3S 65C LiPo Pack* below, dimensions 144 x 51 x 33 mm.



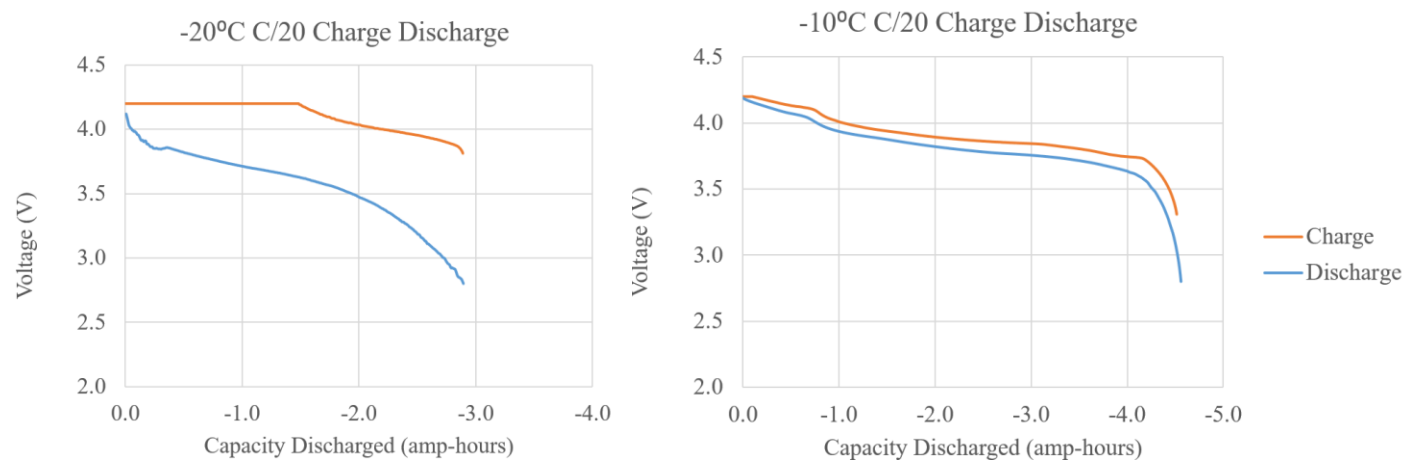
## 2- Discharge Capacity Vs Temperature and different C-Rate

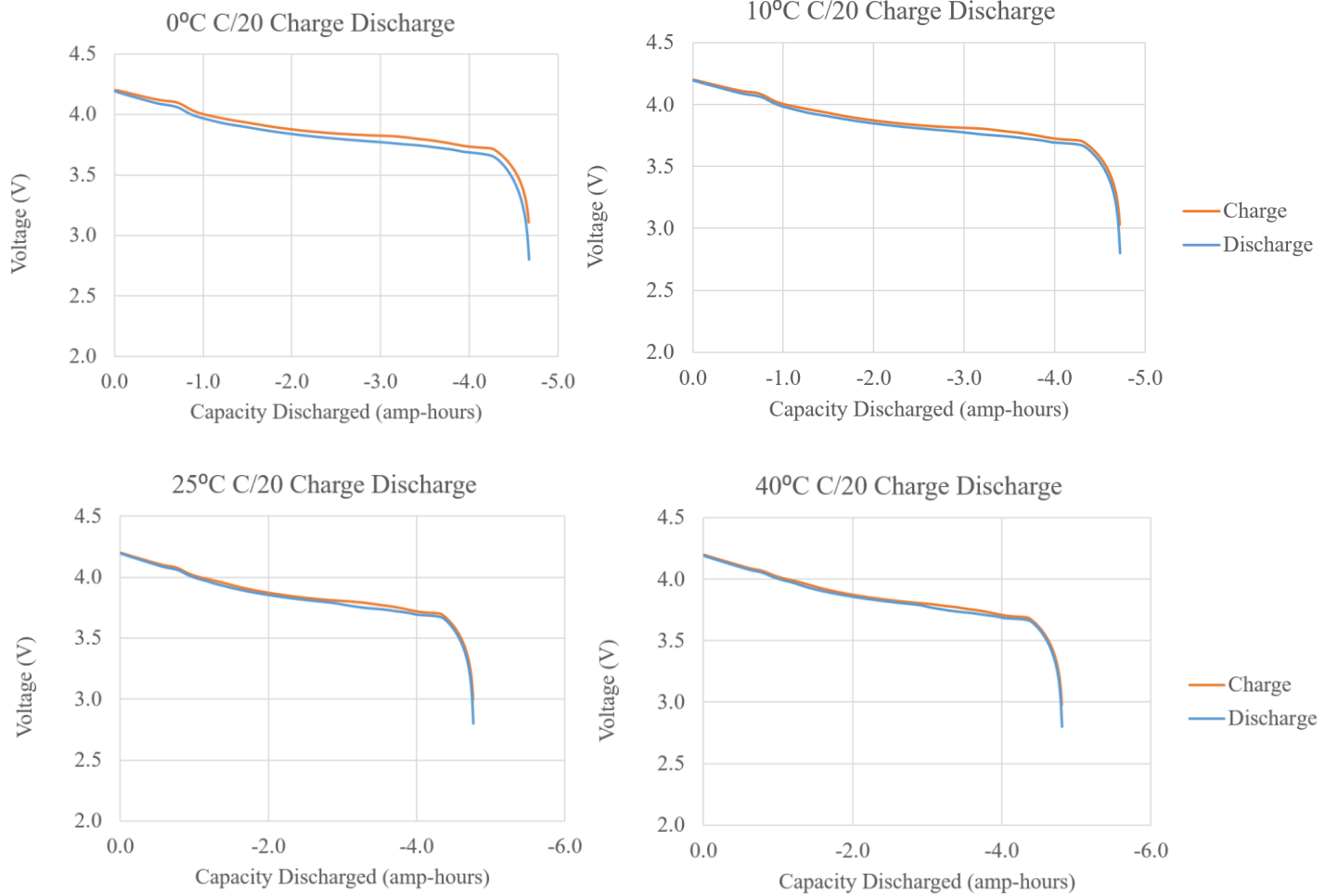


### 3- Discharge Voltage Vs Temperature at different C-Rate

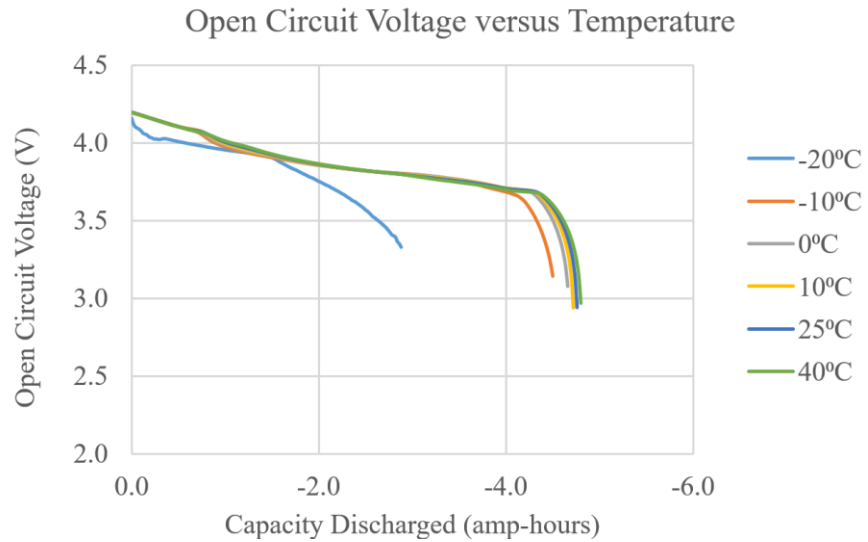


### 4- Charge/Discharge Voltage Vs C-Rate at different Temperatures



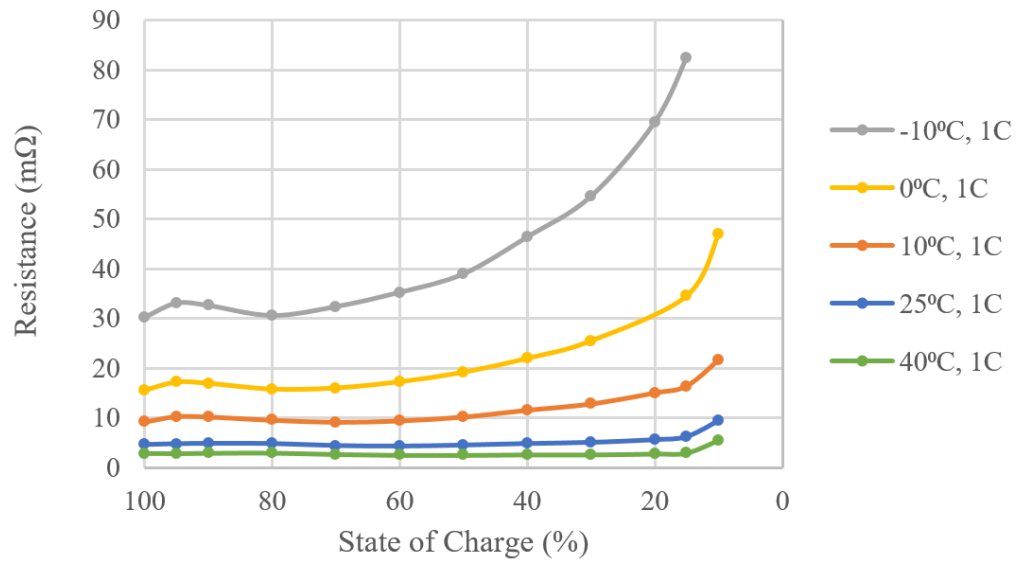


## 5- Open Circuit Voltage Vs Temperature at 0.05 C-Rate

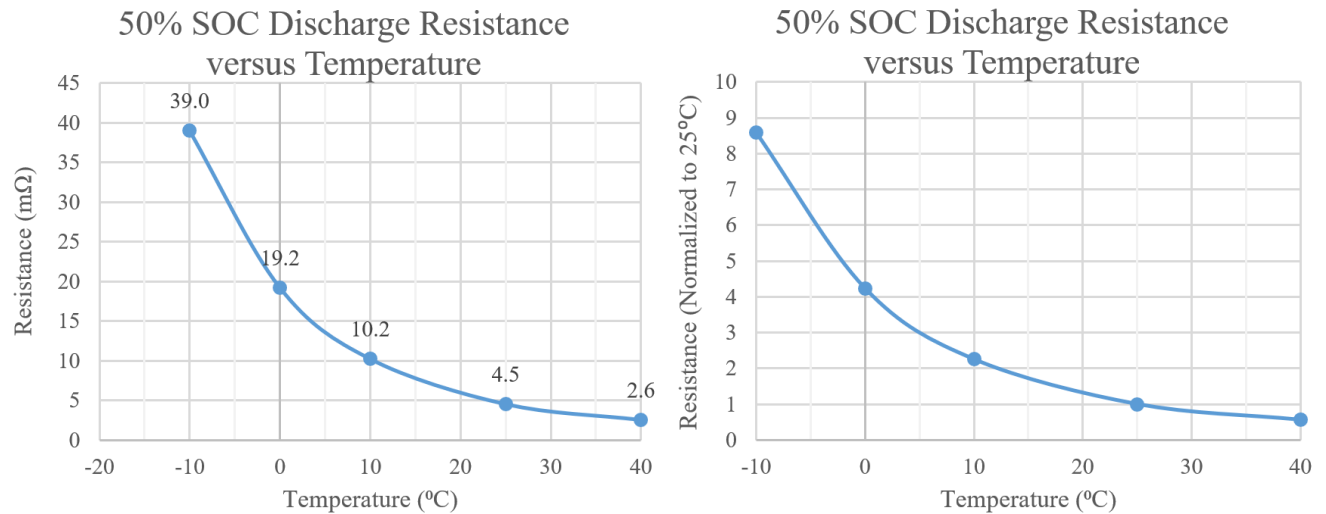


## 6- HPPC Resistance Vs Temperatures at different C-Rates

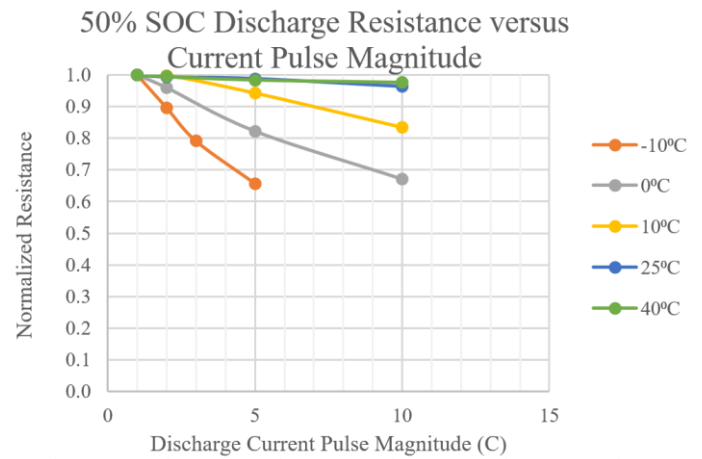
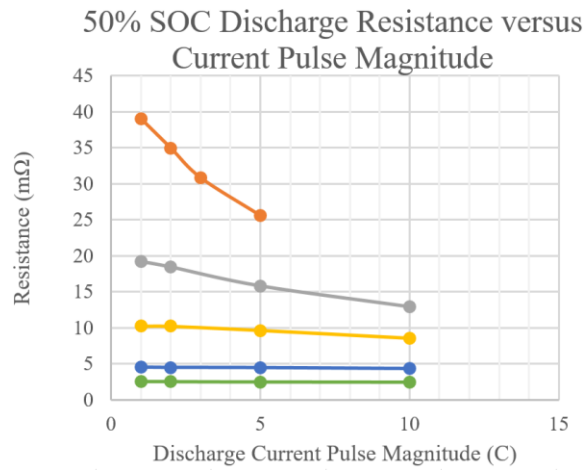
Discharge Resistance versus Temperature



## 7- HPPC Resistance Vs Temperatures at 50% SOC



## 8- HPPC Resistance Vs C-Rates at 50% SOC



## 9- HPPC Resistance Vs Temperatures at different C-Rate

