

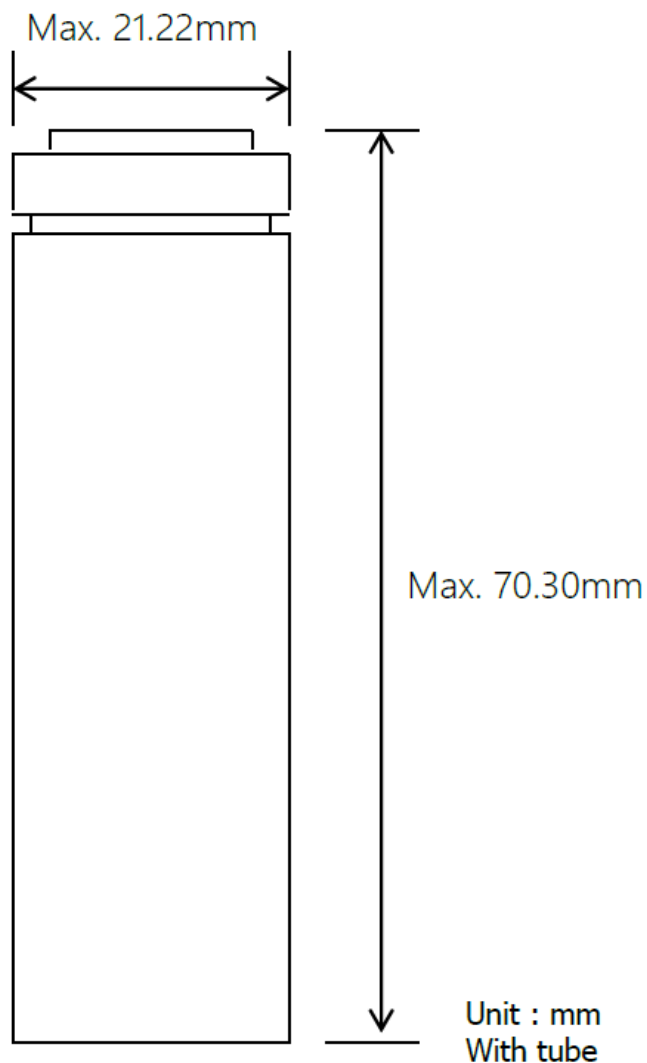
Technical Information and Experimental Test Results for Samsung IN21700-30T

Testing performed at McMaster University, Hamilton, Ontario, Canada

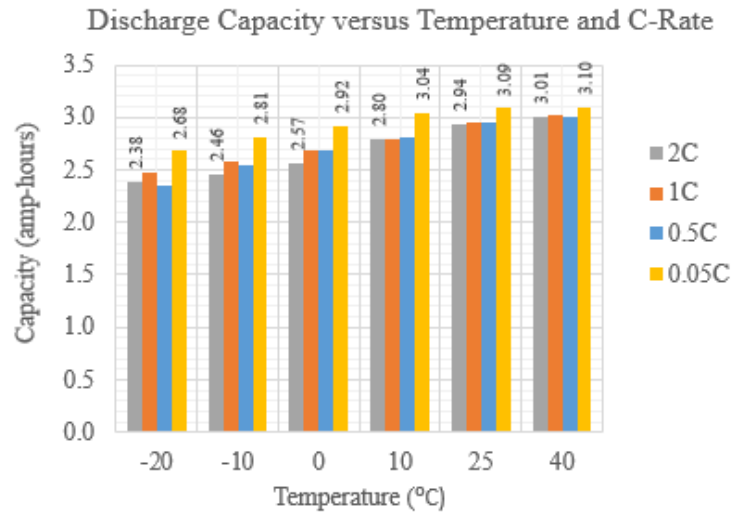
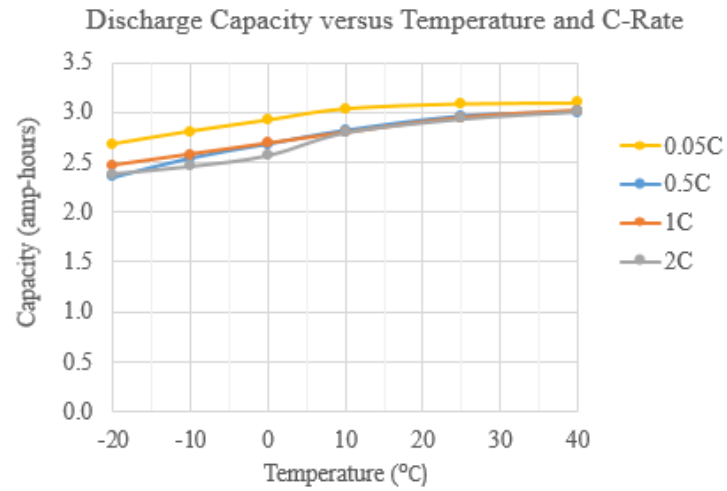
1- Battery Main Specifications

Chemistry	Lithium - ion
Nominal Voltage	3.6 V
Charge	1.5A,4.2,150mA End-Current (CC-CV) Normal
	4A, 4.2V,100mA End-Current (CC-CV) Fast
Discharge	2.5V End Voltage, 35A MAX Continuous Current
Nominal Capacity	3.0 Ah
Energy Density	166 (Wh/Kg)

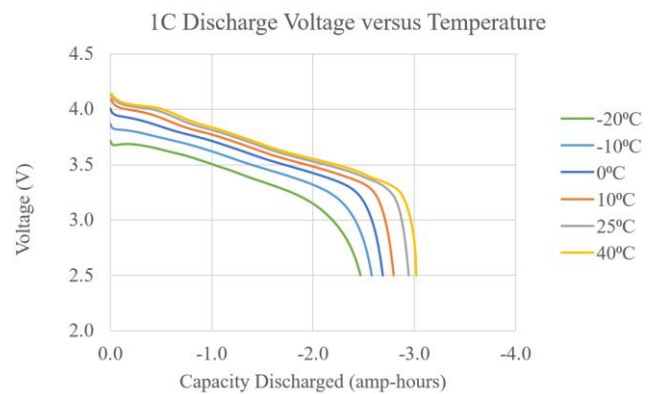
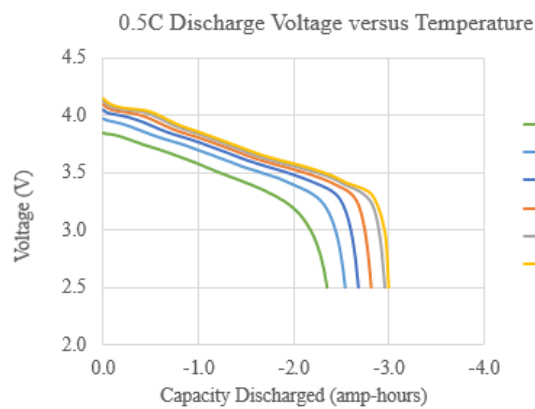
2- Battery Dimension

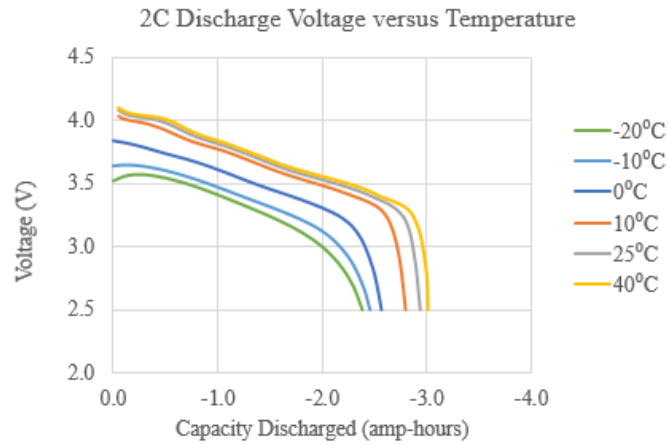


3- Discharge Capacity Vs Temperature and different C-Rate

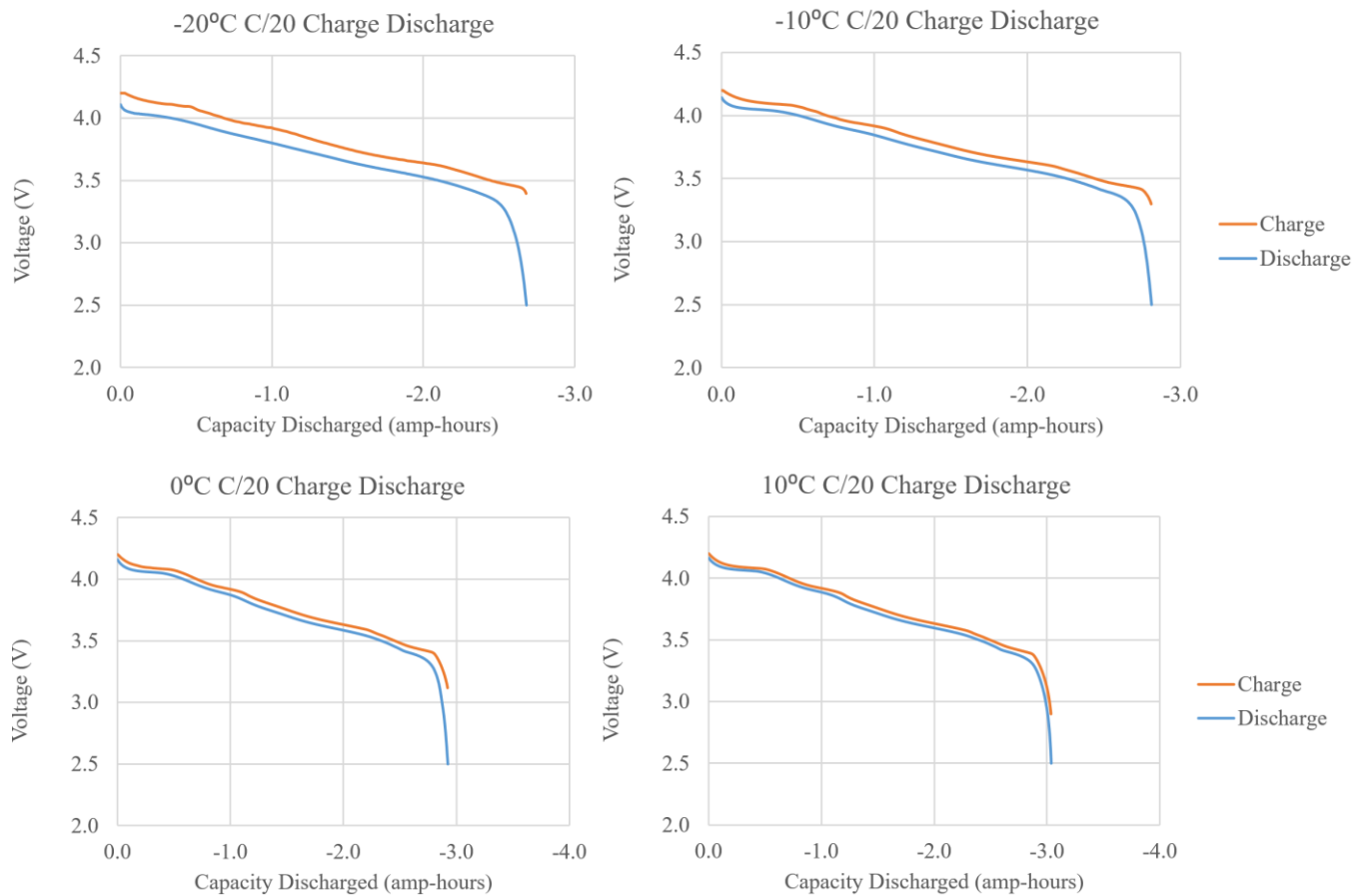


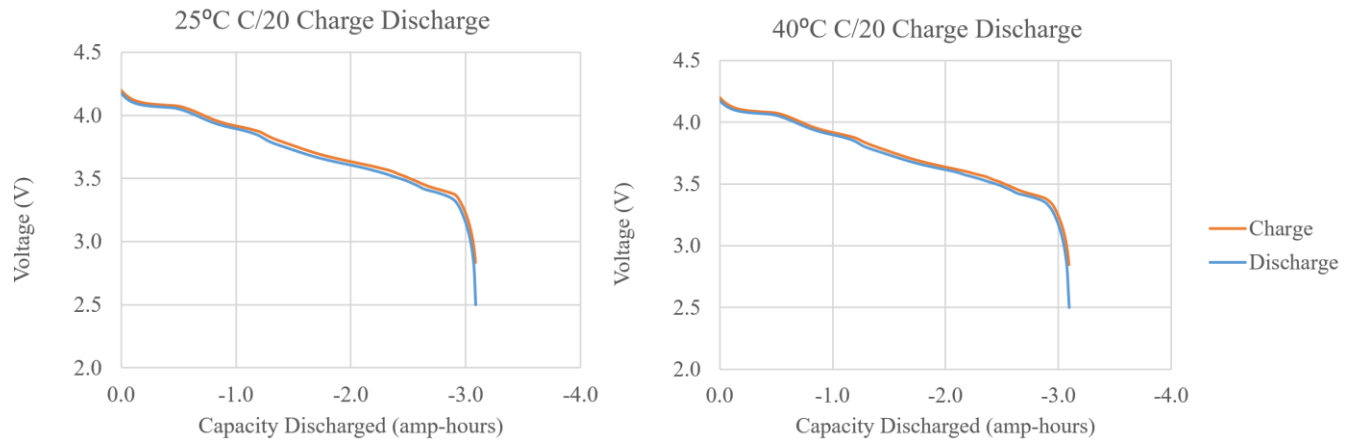
4- Discharge Voltage Vs Temperature at different C-Rate



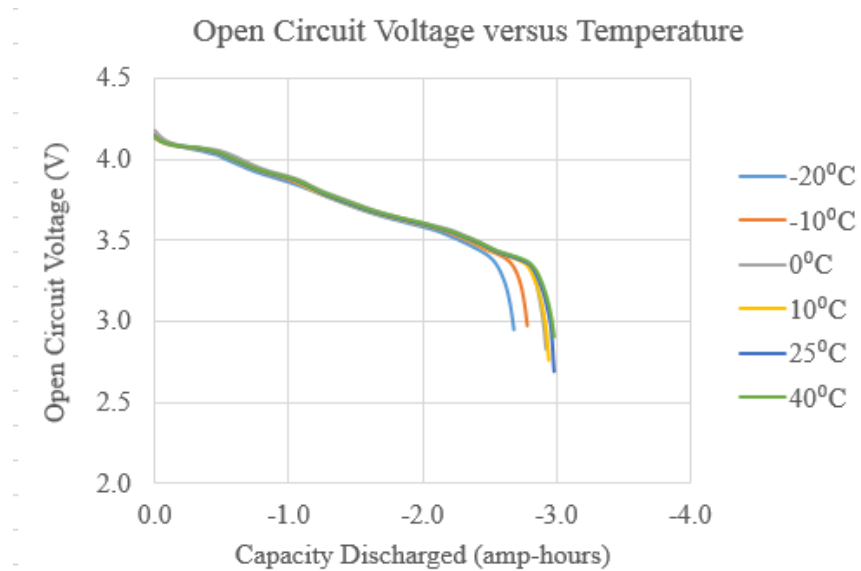


5- Charge/Discharge Voltage Vs C-Rate at different Temperatures

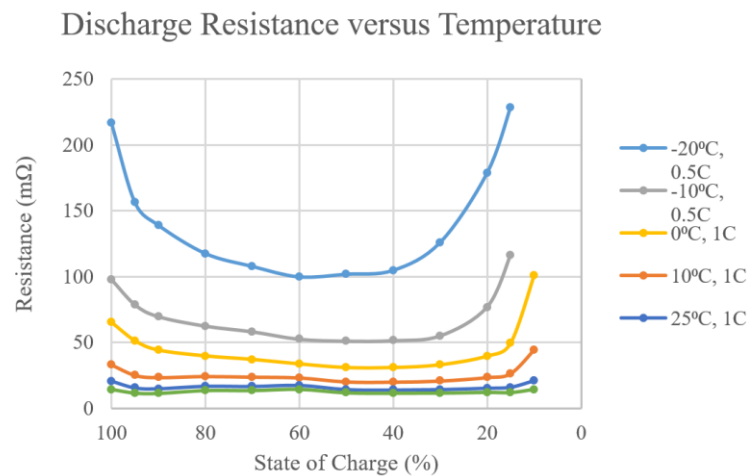




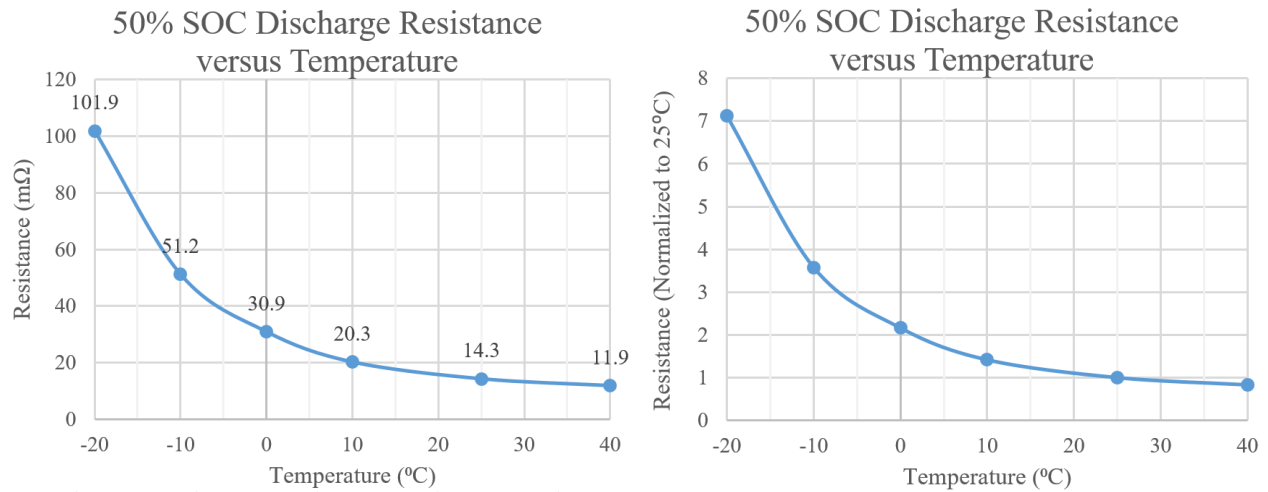
6- Open Circuit Voltage Vs Temperature at 0.05 C-Rate



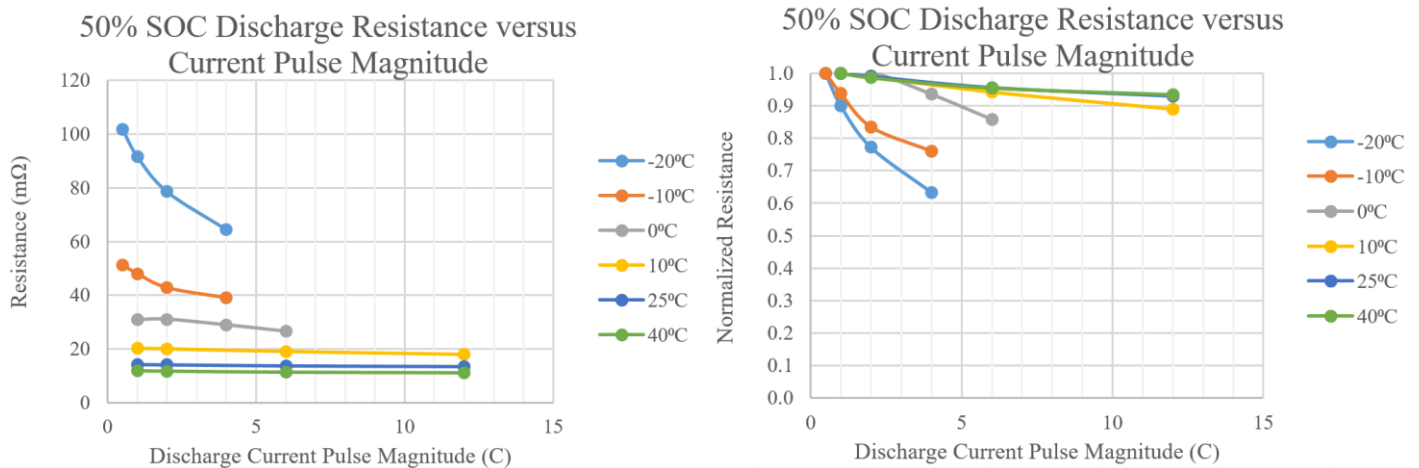
7- HPPC Resistance Vs Temperatures at different C-Rates



8- HPPC Resistance Vs Temperatures at 50% SOC



9- HPPC Resistance Vs C-Rates at 50% SOC



10- HPPC Resistance Vs Temperatures at different C-Rate

