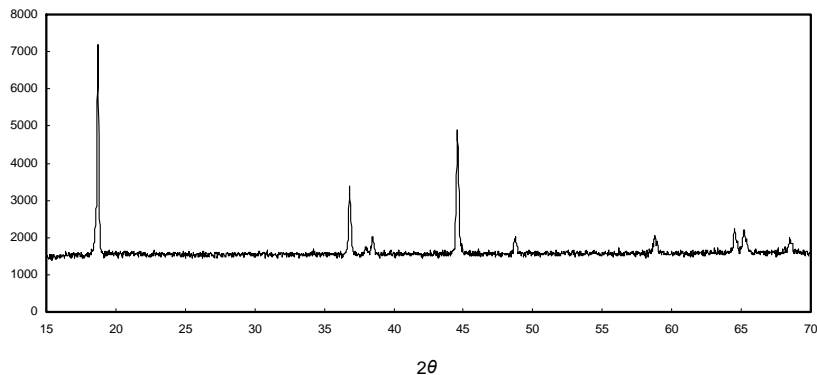
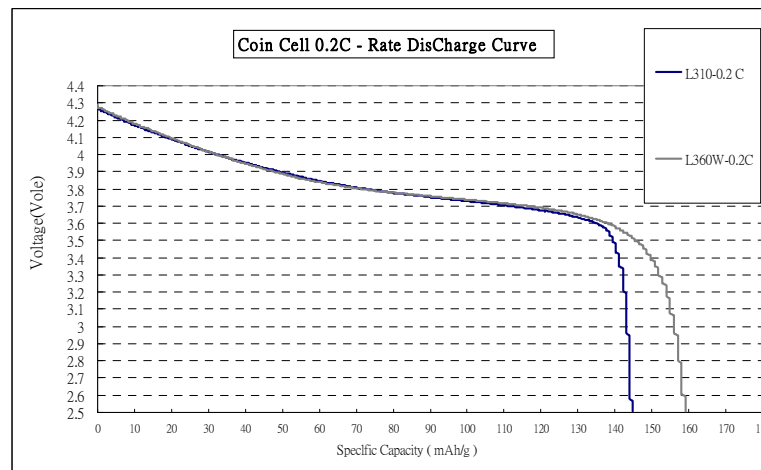


EnerQuest Layer-layer LiNiMnCoO₂



XRD Pattern Check (IQC/FQC)



Coin cell Capacity of LiNi_aCo_bMn_cO₂ cell

Chem. Formula	LiCoO₂	LiNi_xMn_yCo_zO₂ Current : (x = y = z = 1/3)	LiNi_aMn_bCo_cO₂ (a + b + c = 1)
Name	Lithium Cobalt Oxide	Lithium Nickel Manganese Cobalt Oxide	Lithium Nickel Manganese Cobalt Oxide
Specific Cap. mAh/g	140 (2.75V-4.20V)	145 (2.75V-4.30V)	160 (2.75V-4.30V)
Charge Voltage	4.20V (max.)	4.30V	4.30V
Discharge Voltage	2.75V	2.75V	2.75V
Cost (USD/kg)	~ 50	~ 35	~ 35
Over Charge Voltage	5 ~ 6V	7 ~ 8V	7 ~ 8V
Safety	Ok	Good	Good

Performance of LiCoO₂ vs LiNi_xCo_yMn_zO₂