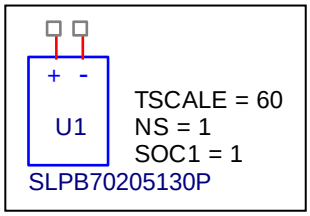
Device Modeling Report

COMPONENTS: Superior Lithium Polymer Battery (SLPB)
PART NUMBER: SLPB70205130P
MUNUFACTURER: Kokam
REMARK: Ultra High Power Cell

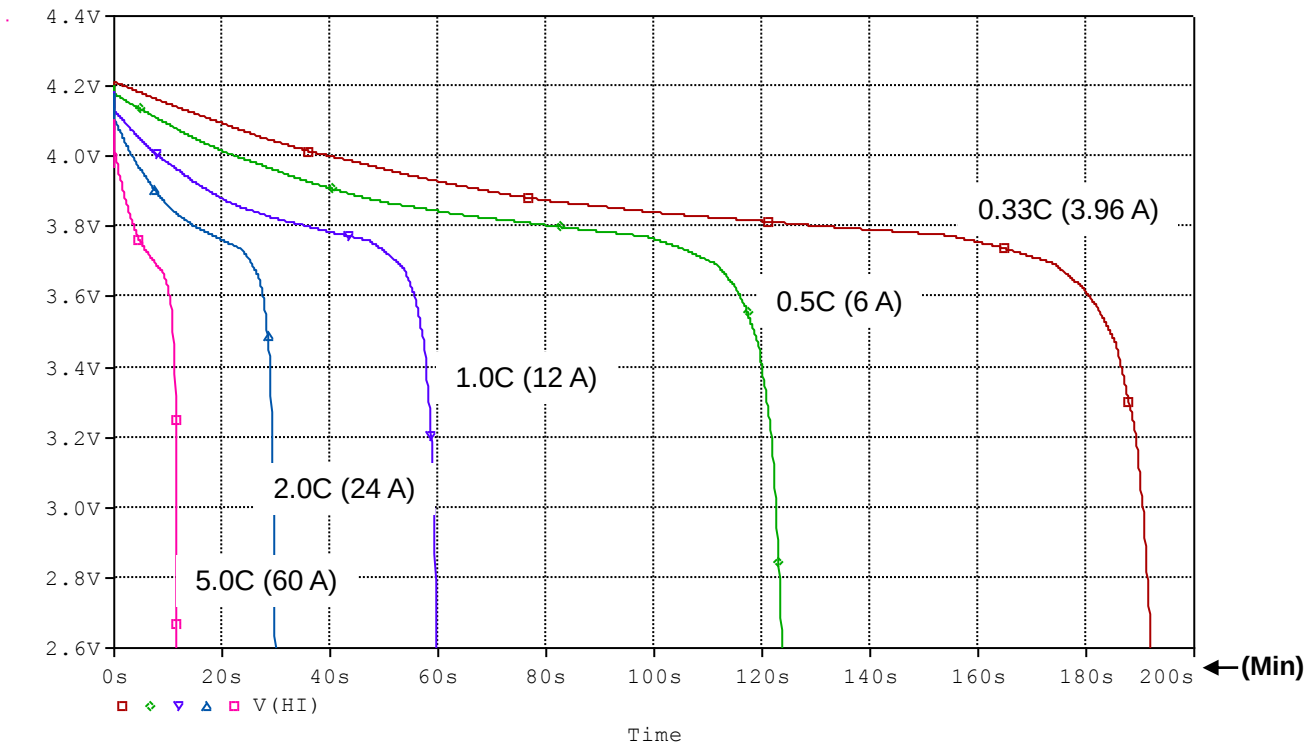
Bee Technologies Inc.

Circuit Configuration

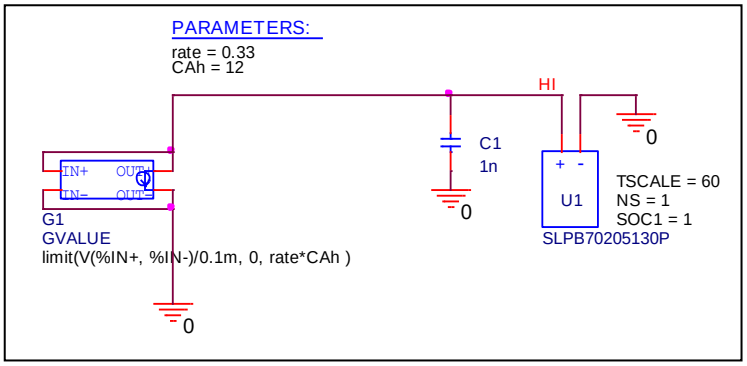


Discharge Characteristics (Battery Voltage vs. Time)

Circuit Simulation Result



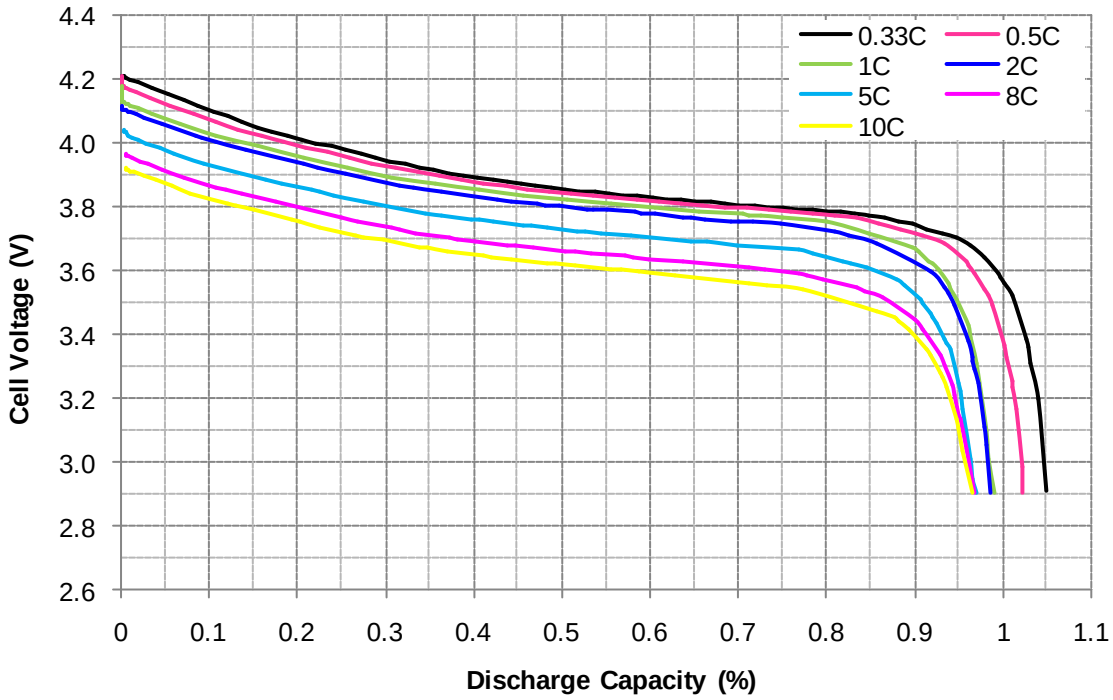
Simulation Circuit



※ To discharge from 100% of battery capacity, SOC1=1

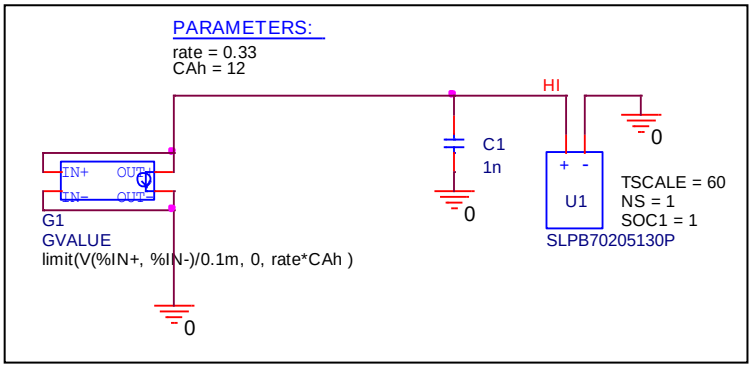
Discharge Characteristics (Battery Voltage vs. State of Charge)

Circuit Simulation Result



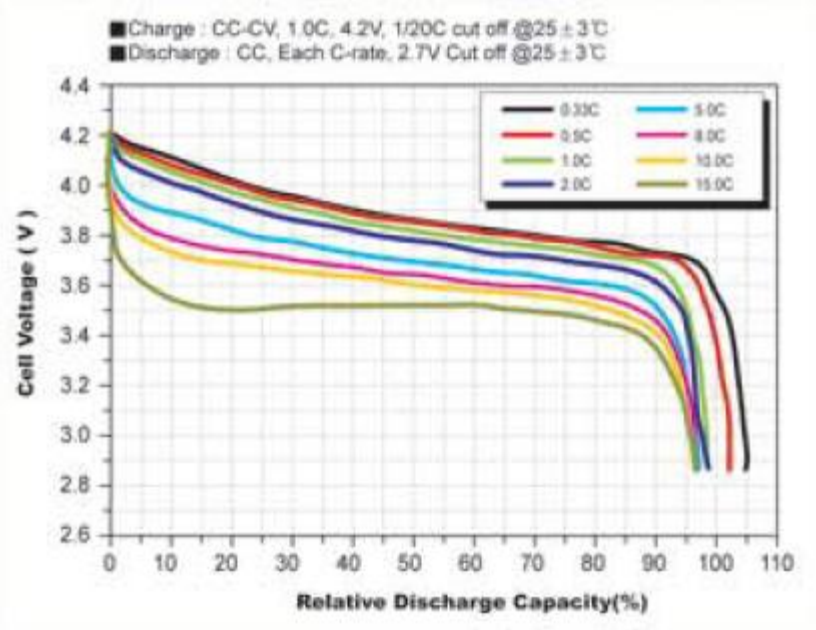
※ SOC is a value from 0 to 1 (0~100%)

Simulation Circuit



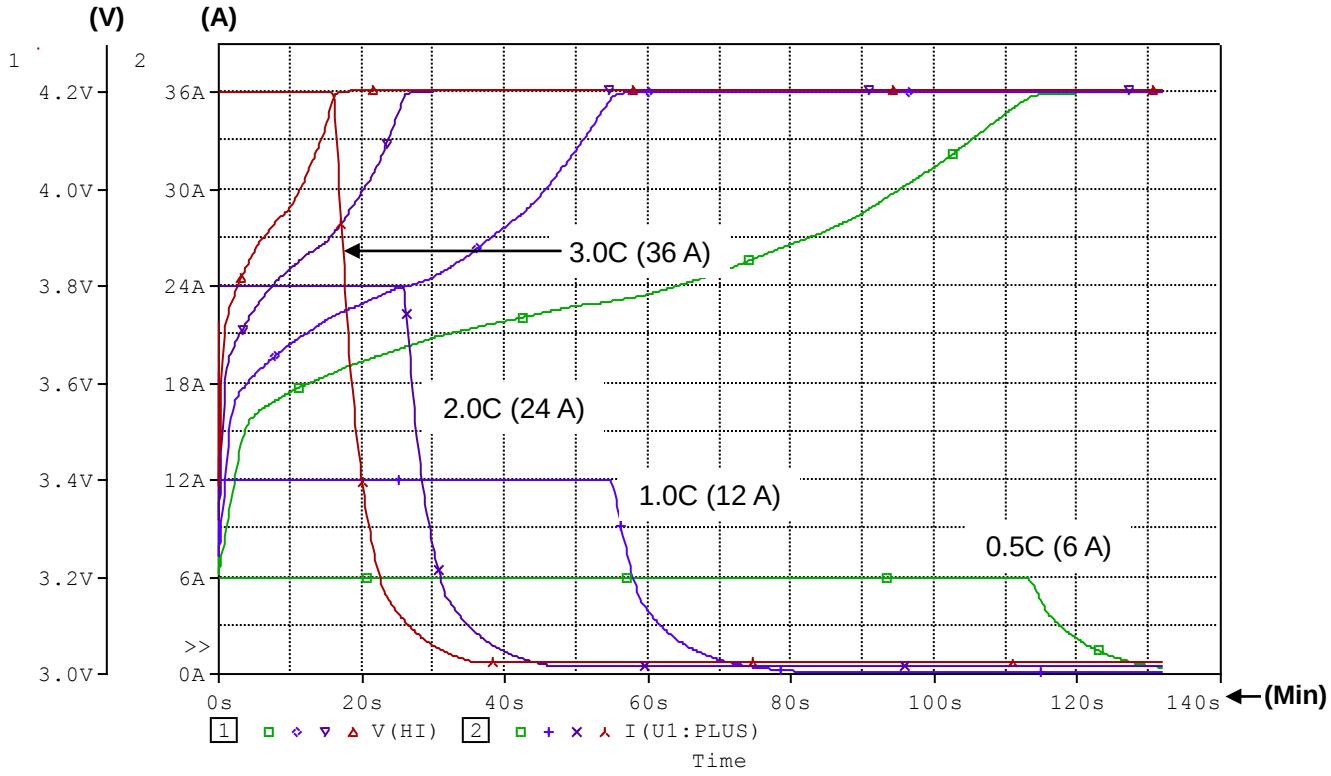
※ To discharge from 100% of battery capacity, SOC1=1

Discharge Characteristics Reference

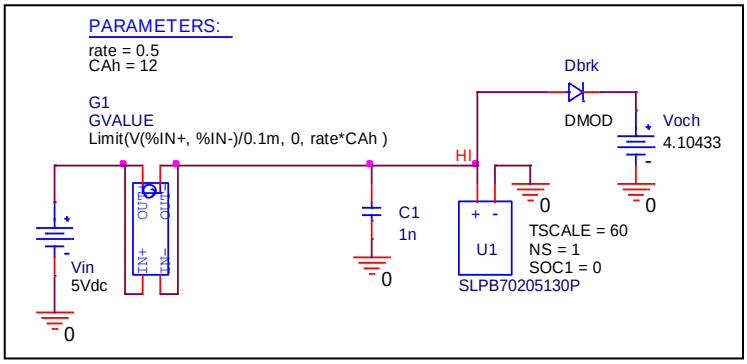


Charge Characteristics (Battery Voltage vs. Time)

Circuit Simulation Result



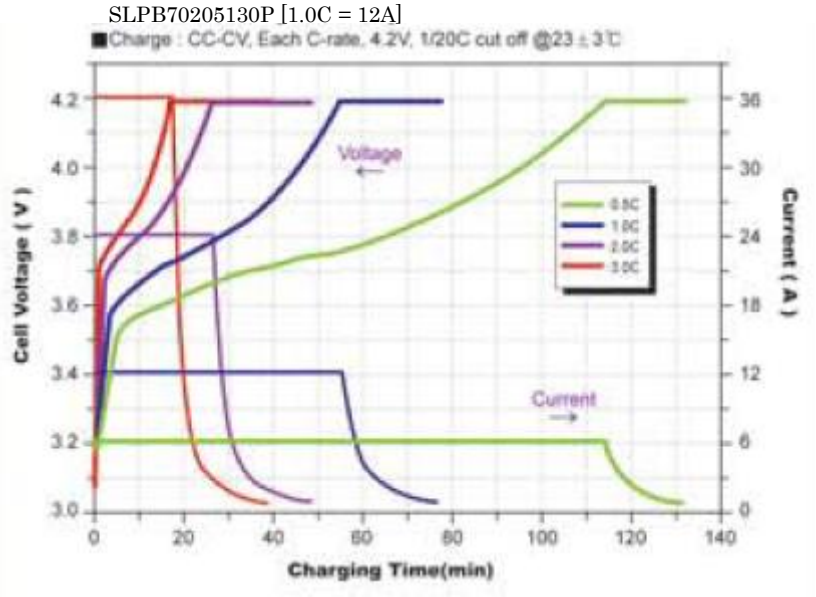
Simulation Circuit



※ Tscale turns minute into seconds.

Charge Characteristics (Battery Voltage vs. Time) Reference

SLPB70205130P [1.0C = 12A]



Data Information

No. SLPB70205130P		
Typical Capacity		12 [Ah]
Nominal Voltage		3.7 [V]
Charge Condition	Max. Current	36 [A]
	Voltage	4.2 [V]
Discharge Condition	Continuous Current	60 [A]
	Peak Current	240 [A]
	Cut-off Voltage	2.7 [V]