

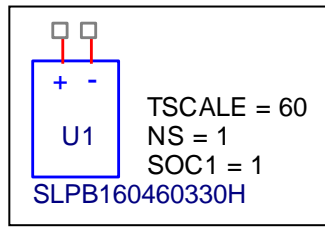
Device Modeling Report

COMPONENTS: Superior Lithium Polymer Battery (SLPB)
PART NUMBER: SLPB160460330H
MUNUFACTURER: Kokam
REMARK: High Power Cell



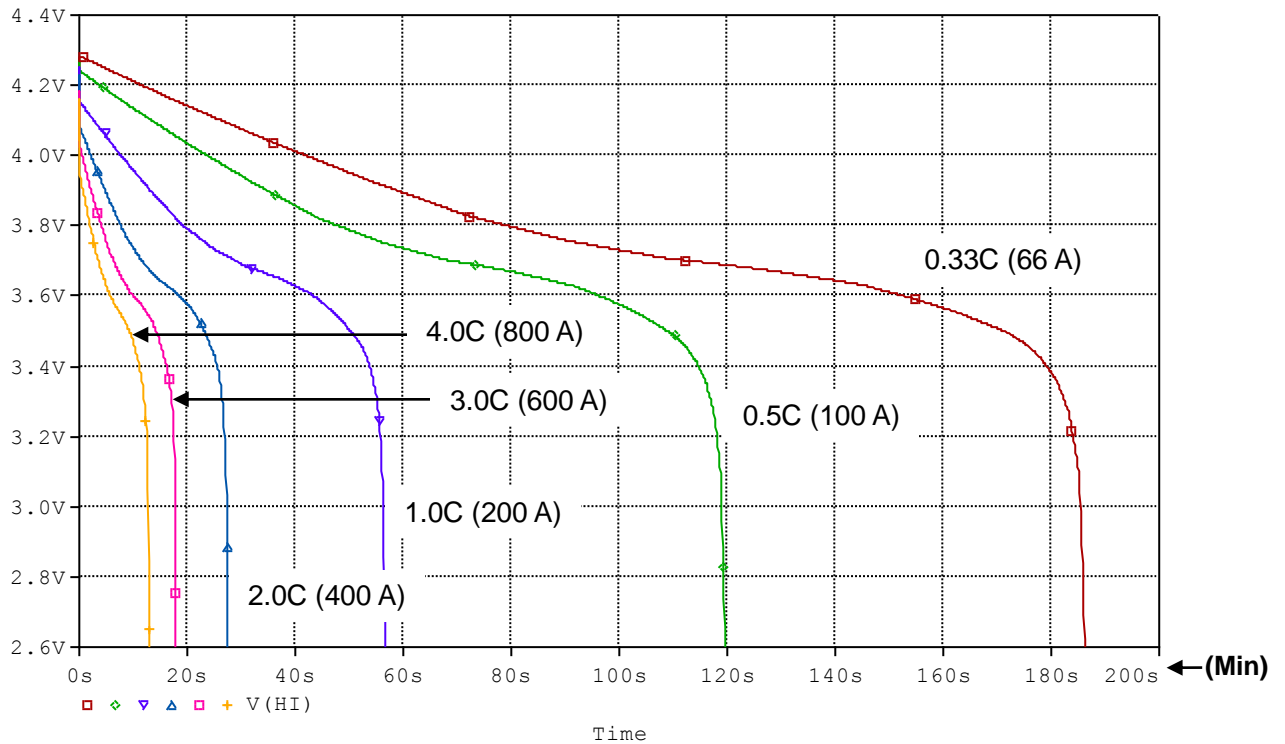
Bee Technologies Inc.

Circuit Configuration

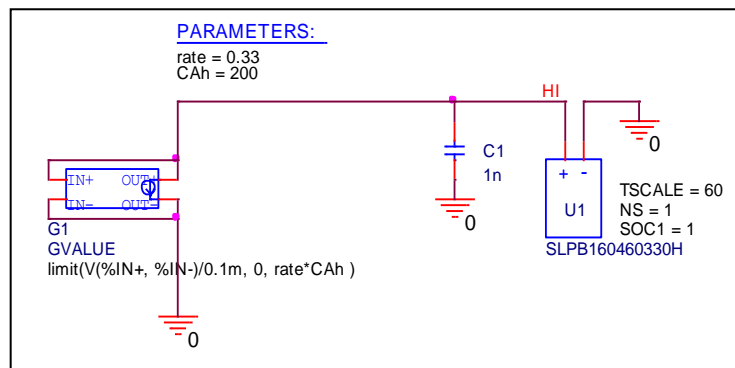


Discharge Characteristics (Battery Voltage vs. Time)

Circuit Simulation Result



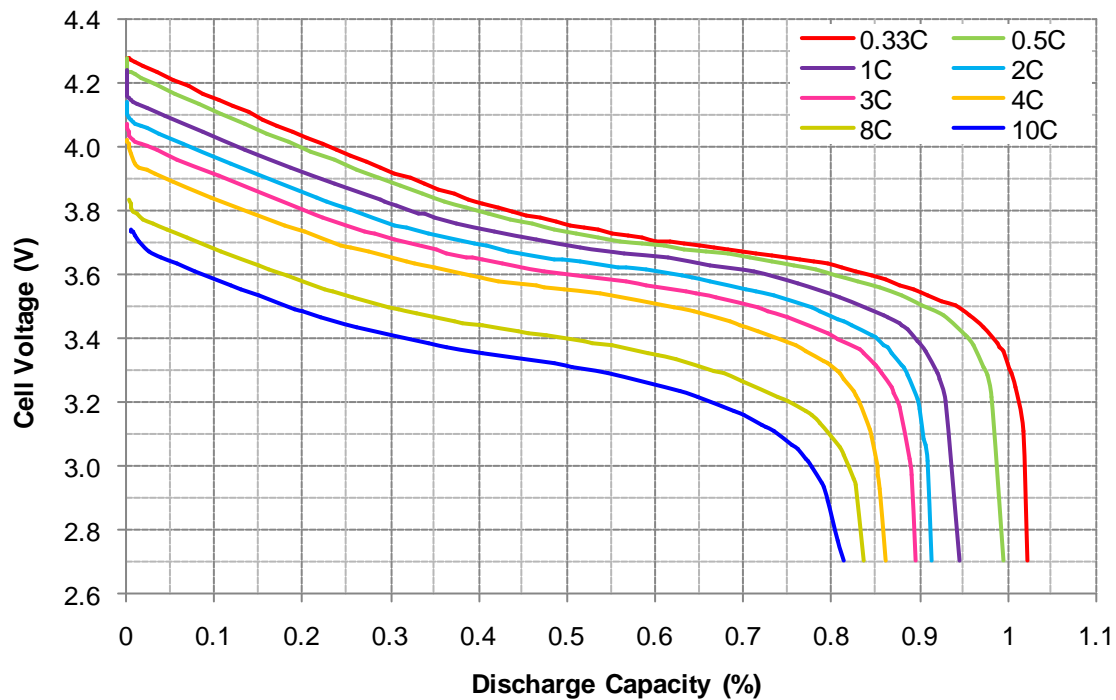
Simulation Circuit



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

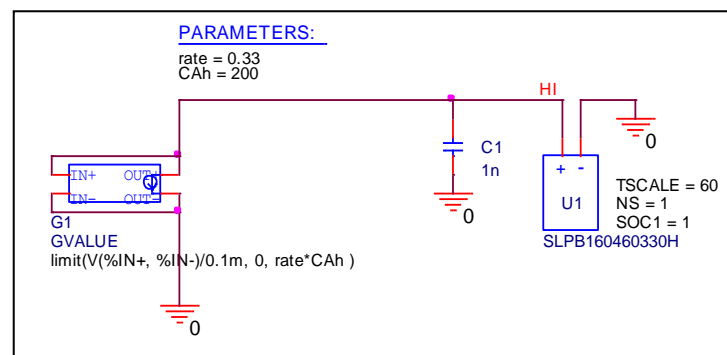
Discharge Characteristics (Battery Voltage vs. State of Charge)

Circuit Simulation Result



※ SOC is a value from 0 to 1 (0~100%)

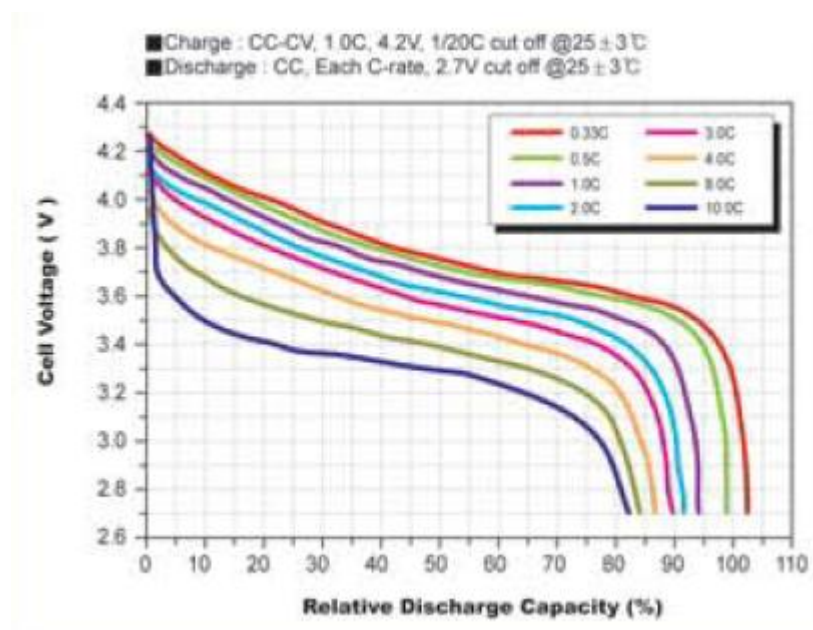
Simulation Circuit



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

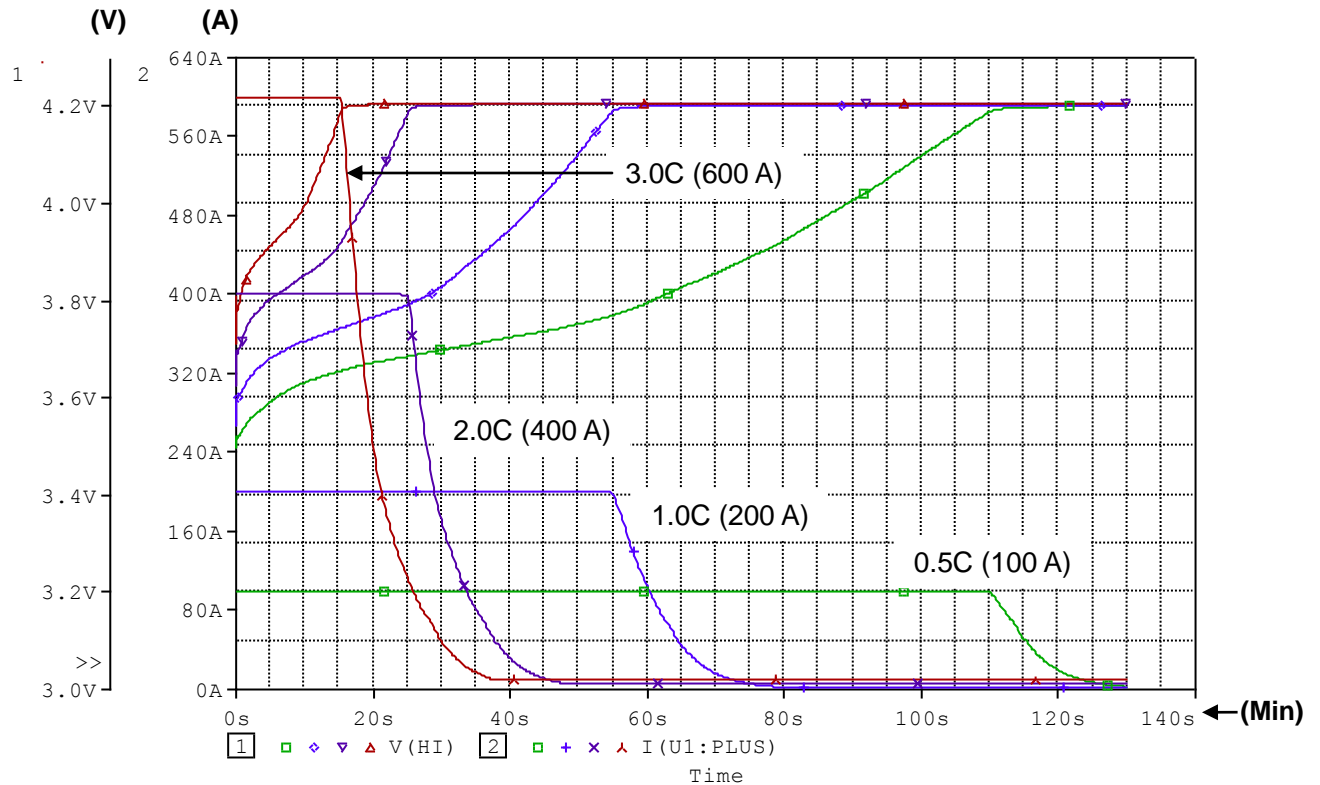
Discharge Characteristics

Reference

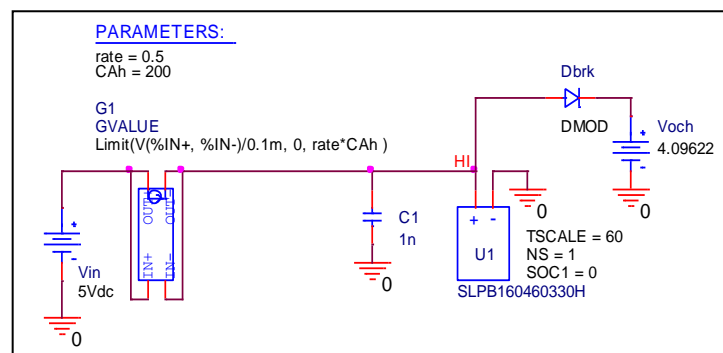


Charge Characteristics (Battery Voltage vs. Time)

Circuit Simulation Result



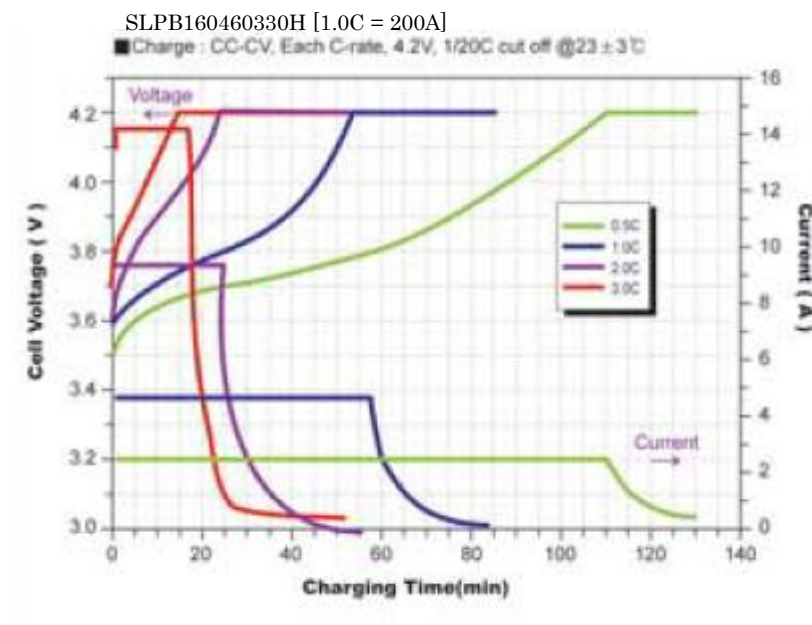
Simulation Circuit



※ Tscale turns minute into seconds.

Charge Characteristics (Battery Voltage vs. Time)

Reference



Data Information

No. SLPB160460330H		
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Typical Capacity		200 [Ah]
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Nominal Voltage		3.7 [V]
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Charge Condition	Max. Current	200 [A]
	Voltage	4.2 [V]
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Discharge Condition	Continuous Current	400 [A]
	Peak Current	800 [A]
	Cut-off Voltage	2.7 [V]
