

Device Modeling Report

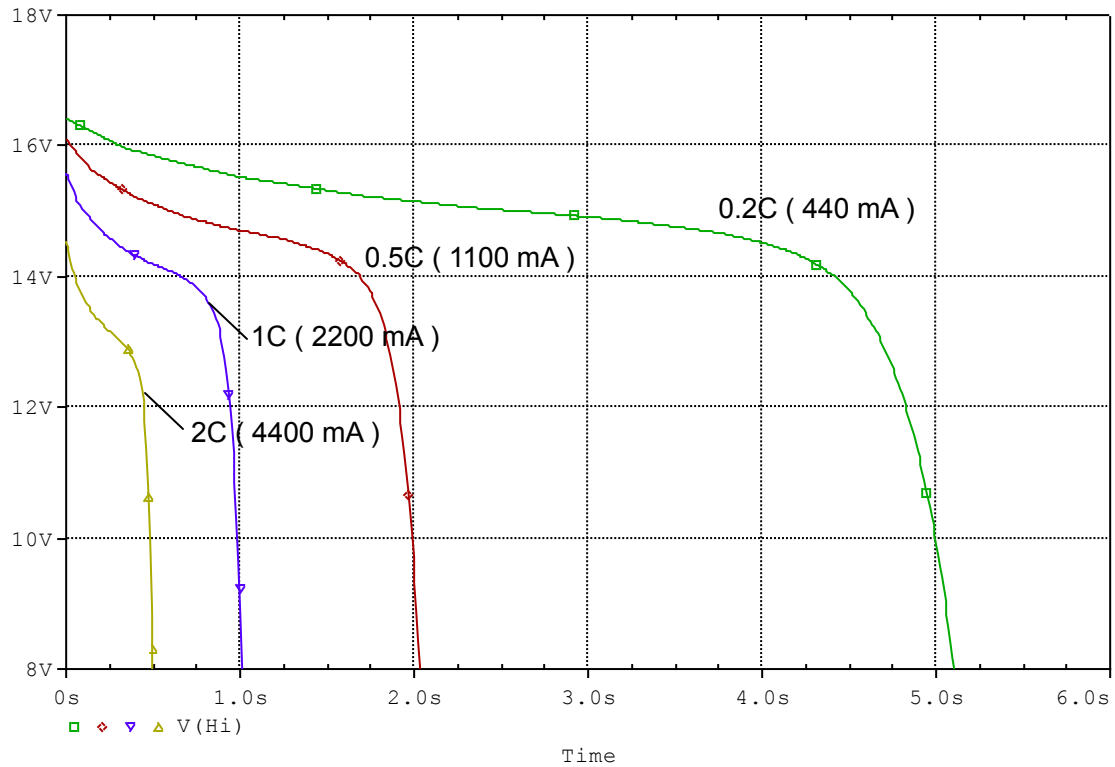
COMPONENTS: Lithium Batteries Pack
PART NUMBER: PBT-BAT-0002
MUNUFACTURER: BAYSUN



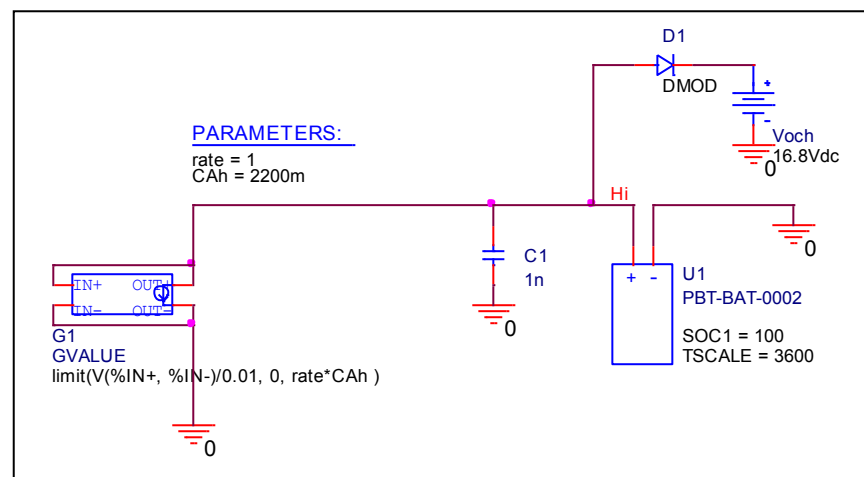
Bee Technologies Inc.

Discharge Characteristics

Circuit Simulation Result



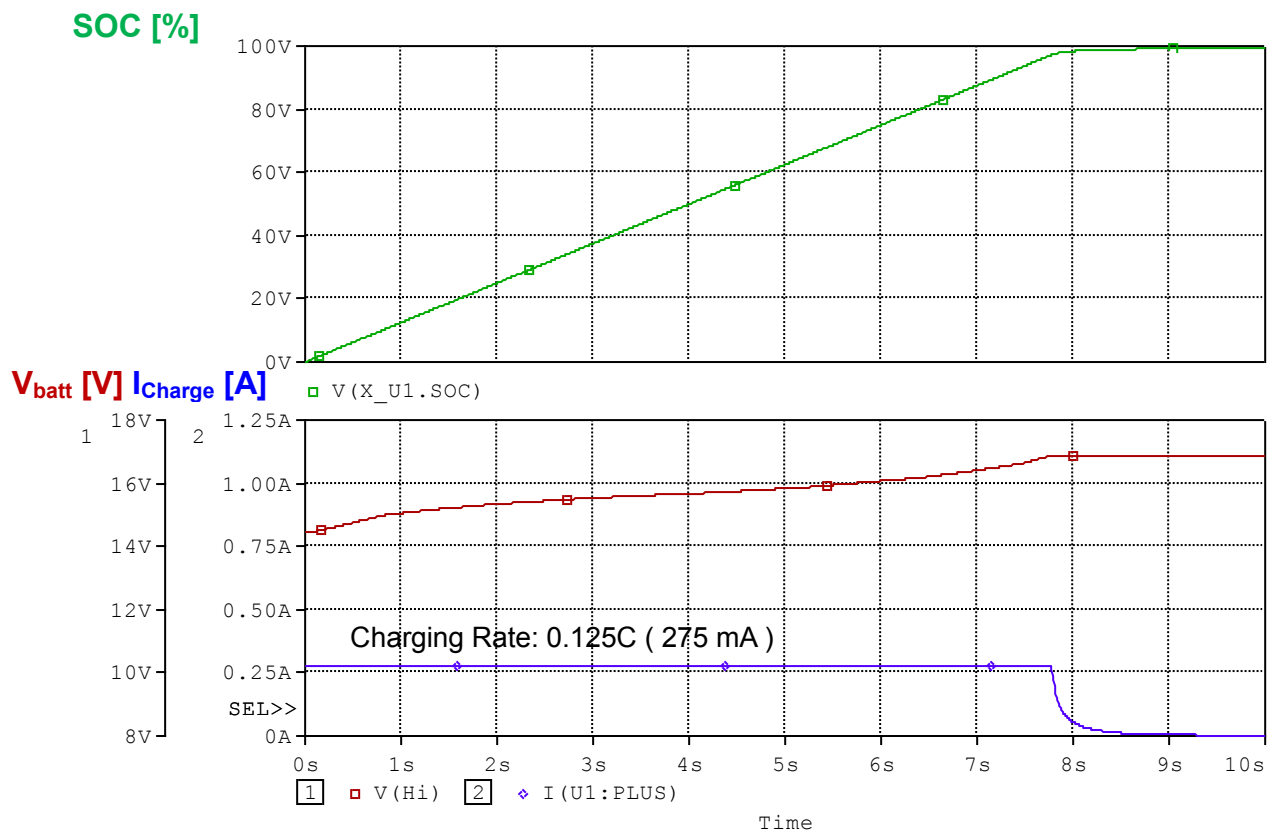
Simulation Circuit



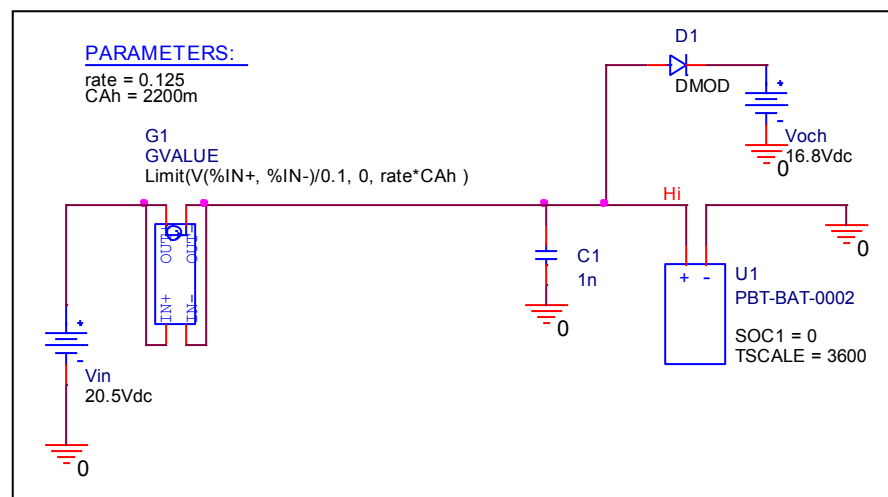
✖ To discharge from 100% of battery capacity, SOC1=100

Charge Characteristics

Circuit Simulation Result



Simulation Circuit



※ To charge from 0% of battery capacity, SOC1=0

Data Information

No. PBT-BAT-0002	
Capacity	32[Wh], 2200[mAh] (Approximately)
Rated Current	2 [A]
Input Voltage	20.5 [Vdc]
Output Voltage	12.5~16.4 [Vdc] (4 cells)
Charging time	8 [hours] (Approximately), $I_{\text{CHARGE}}=275\text{mA}$