

Device Modeling Report

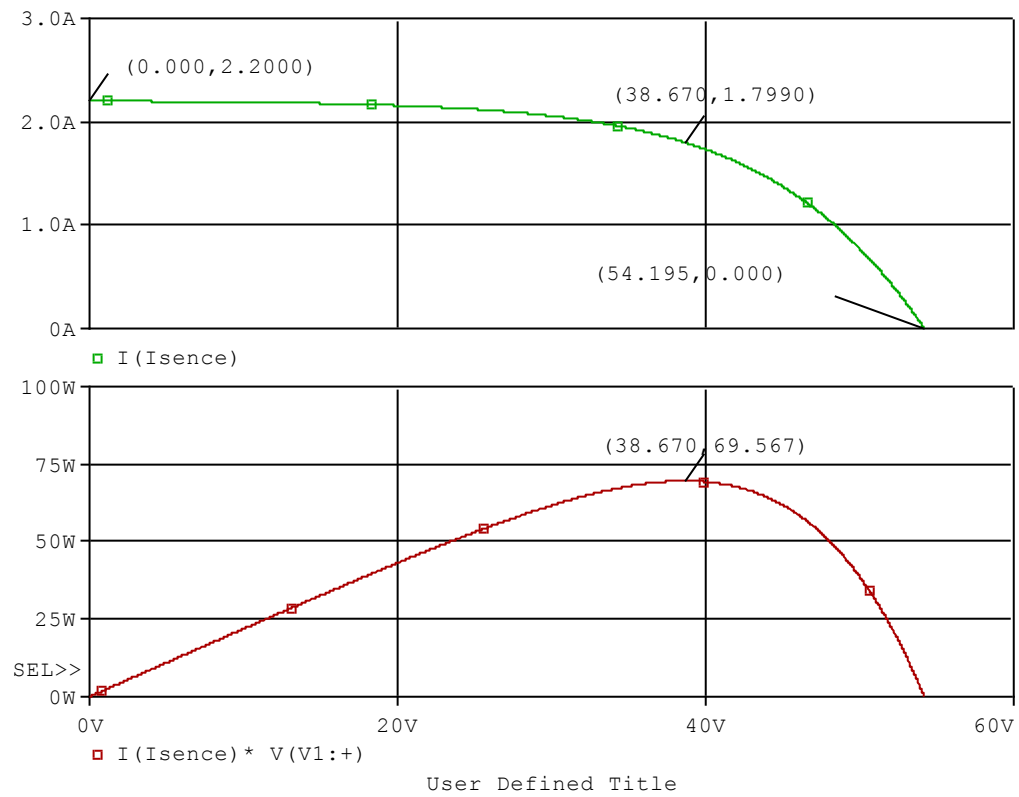
COMPONENTS: Solar Cell
PART NUMBER: SC70-RT-A
MUNUFACTURER: Showa Shell Solar
REMARK:Pmax=70(W)



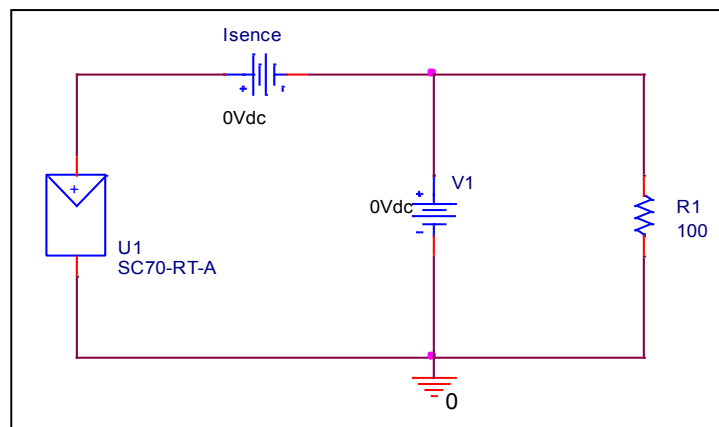
Bee Technologies Inc.

Output Characteristic

Circuit Simulation Result



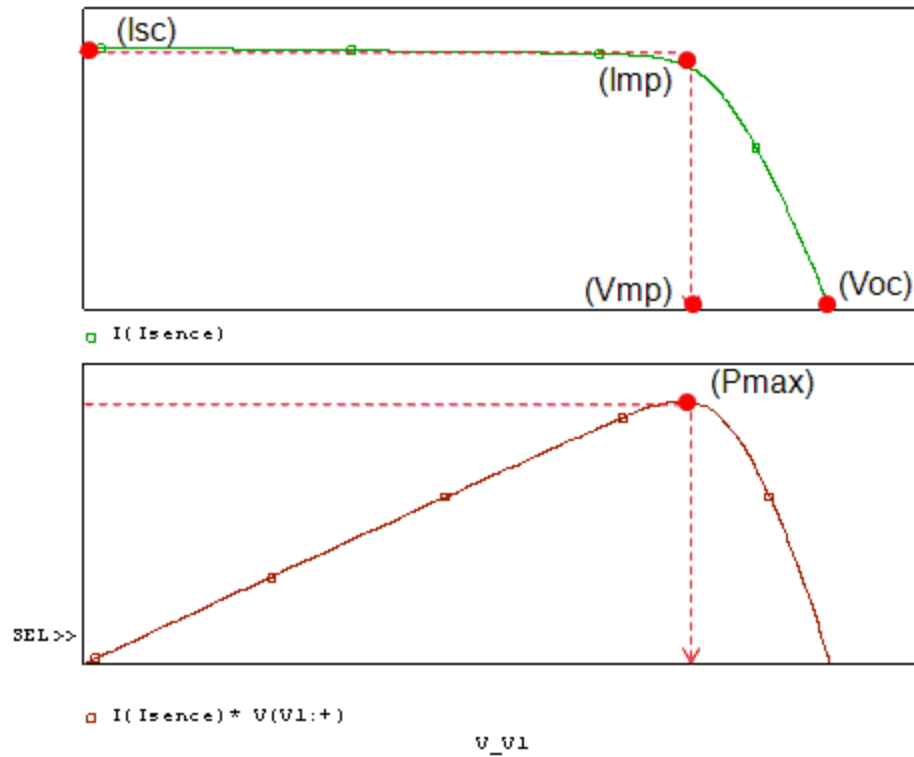
Simulation Circuit



Output Characteristic

Reference

Circuit Simulation Result



Data Table

Symbol	Measurement	Simulation	%Error
Pmax	69.560	69.567	0.010
Vmp	37.600	38.670	2.846
Imp	1.850	1.799	-2.757
Isc	2.200	2.200	0.000
Voc	54.000	54.195	0.361

Data Information

No. SC70-RT-A	
Maximum power(Pmax)	70(W)
Voltage at Pmax(Vmp)	37.6(V)
Current at Pmax(Imp)	1.85(A)
Short-circuit current(Isc)	2.20(A)
Open-circuit voltage(Voc)	54.0(V)