

Device Modeling Report

COMPONENTS: Solar Cell
PART NUMBER: SC75-A
MUNUFACTURER: Showa Shell Solar
REMARK: Pmax=75(W)
REPORT of SolarCells (LTspice IV)



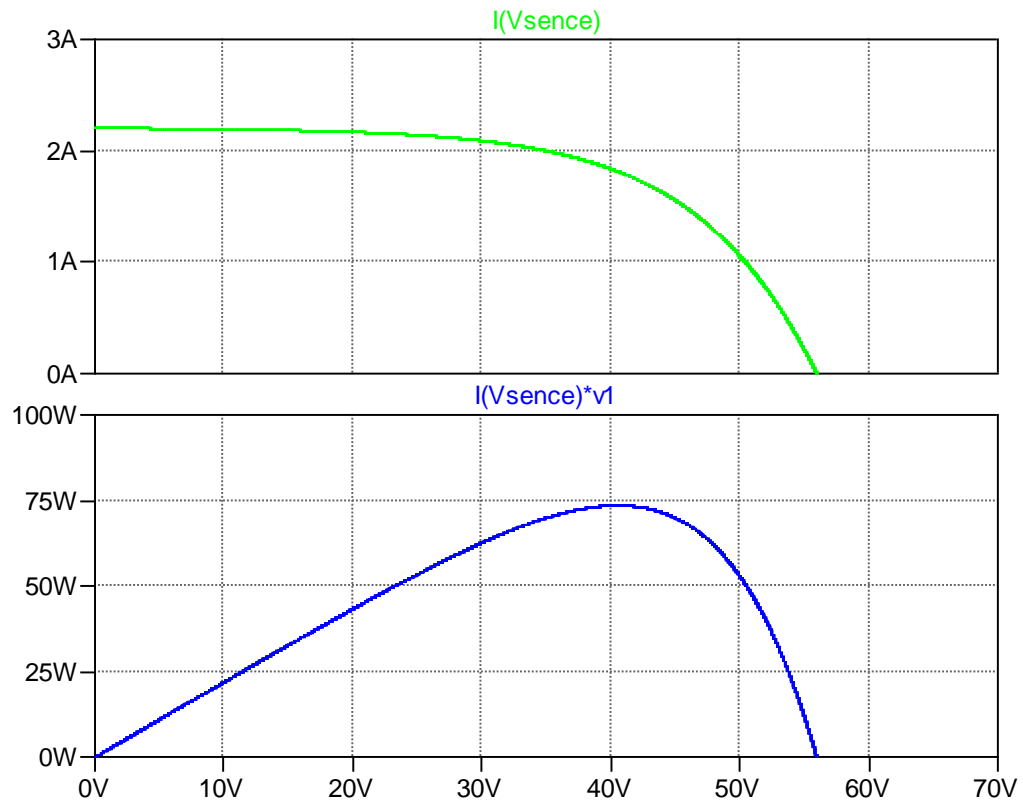
Bee Technologies Inc.

Circuit Configuration

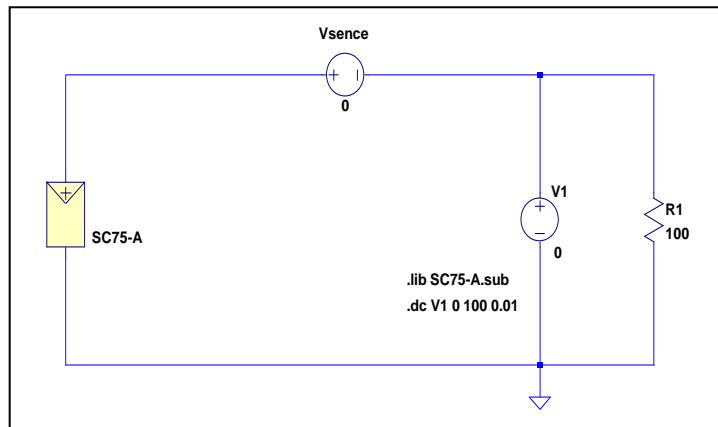


Output Characteristic

Circuit Simulation Result



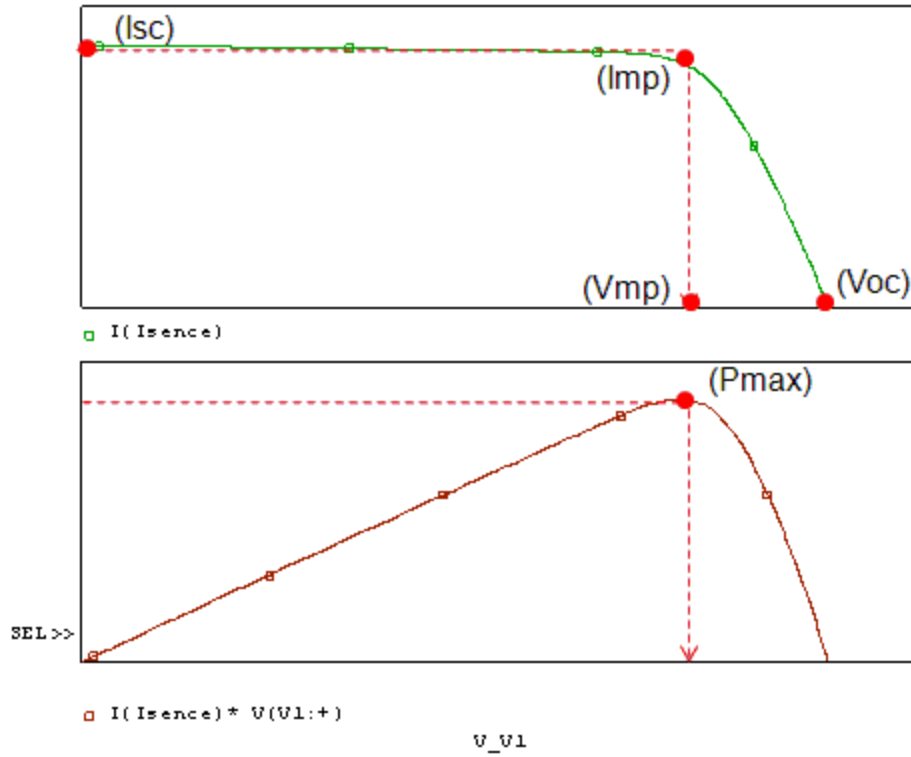
Simulation Circuit



Output Characteristic

Reference

Circuit Simulation Result



Data Table

Symbol	Measurement	Simulation	%Error
Pmax	74.925	73.528	-1.865
Vmp	40.500	40.490	-0.025
Imp	1.850	1.816	-1.838
Isc	2.200	2.200	0.000
Voc	55.500	55.921	0.759

Data Information

No. SC75-A	
Maximum power(Pmax)	75(W)
Voltage at Pmax(Vmp)	40.5(V)
Current at Pmax(Imp)	1.85(A)
Short-circuit current(Isc)	2.20(A)
Open-circuit voltage(Voc)	55.5(V)
