

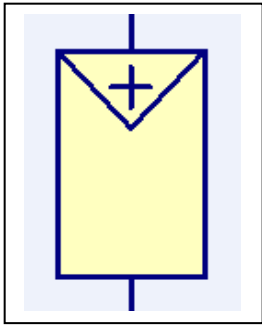
# Device Modeling Report

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



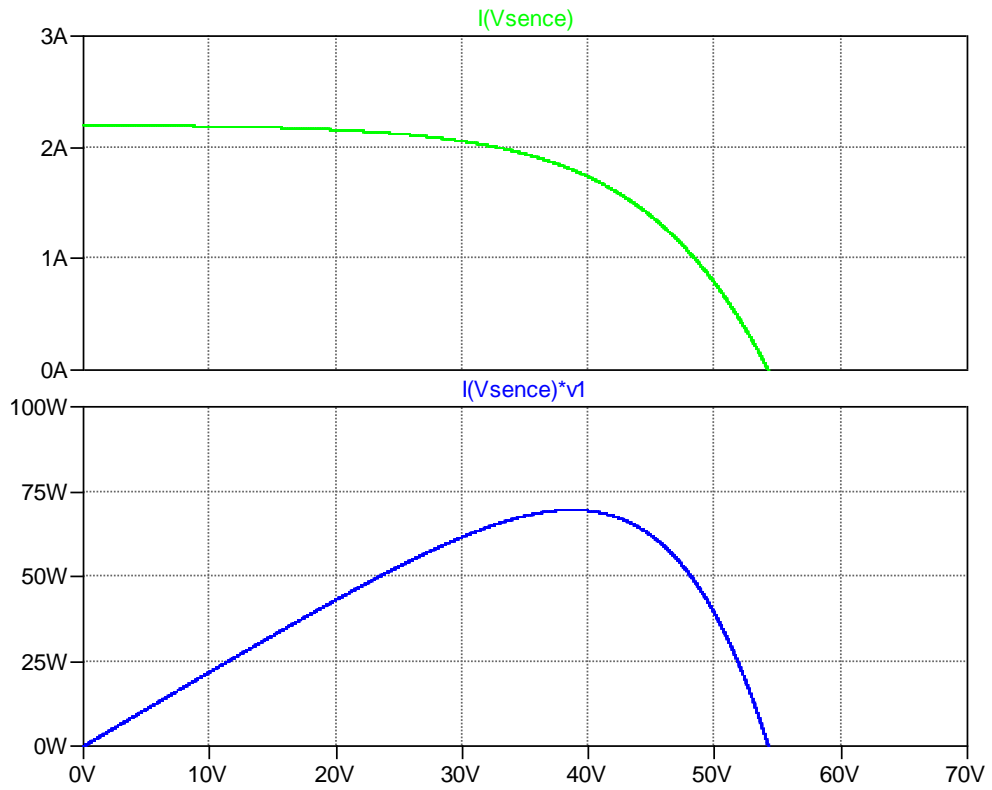
**Bee Technologies Inc.**

## Circuit Configuration

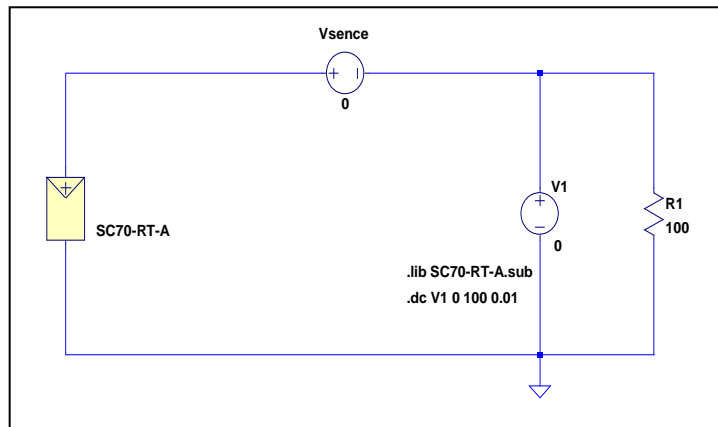


# Output Characteristic

## Circuit Simulation Result



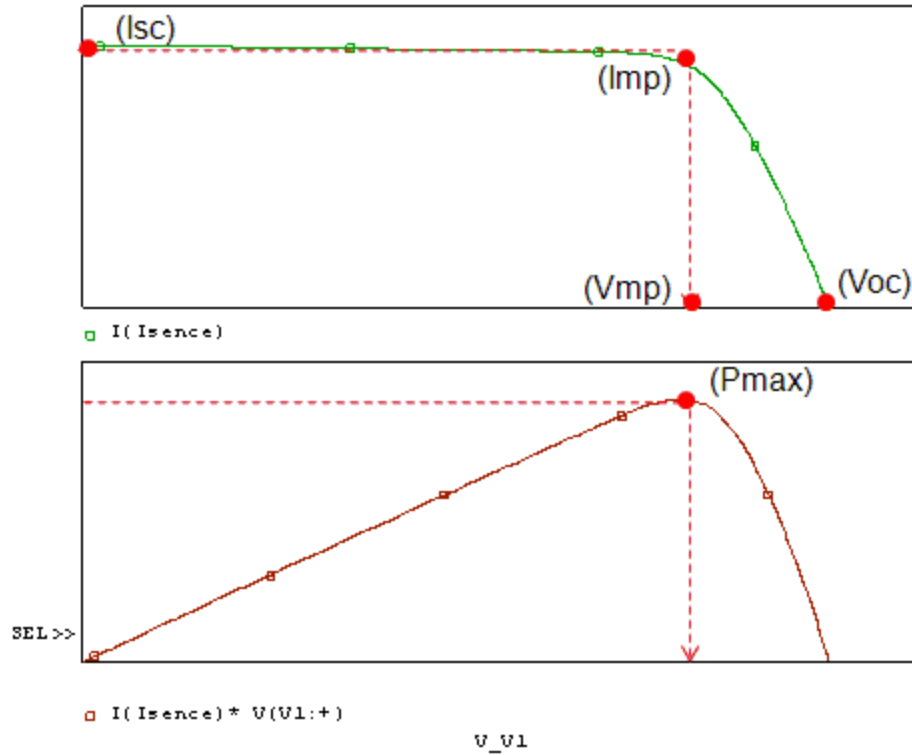
## Simulation Circuit



# Output Characteristic

# Reference

## Circuit Simulation Result



## Data Table

Symbol	Measurement	Simulation	%Error
Pmax	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

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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)