

# Device Modeling Report

COMPONENTS: Solar Cell  
PART NUMBER: NE-38K1R  
MANUFACTURER: SHARP  
REMARK:Pmax=38(W)  
REPORT of Solar Cells (LTspice IV)



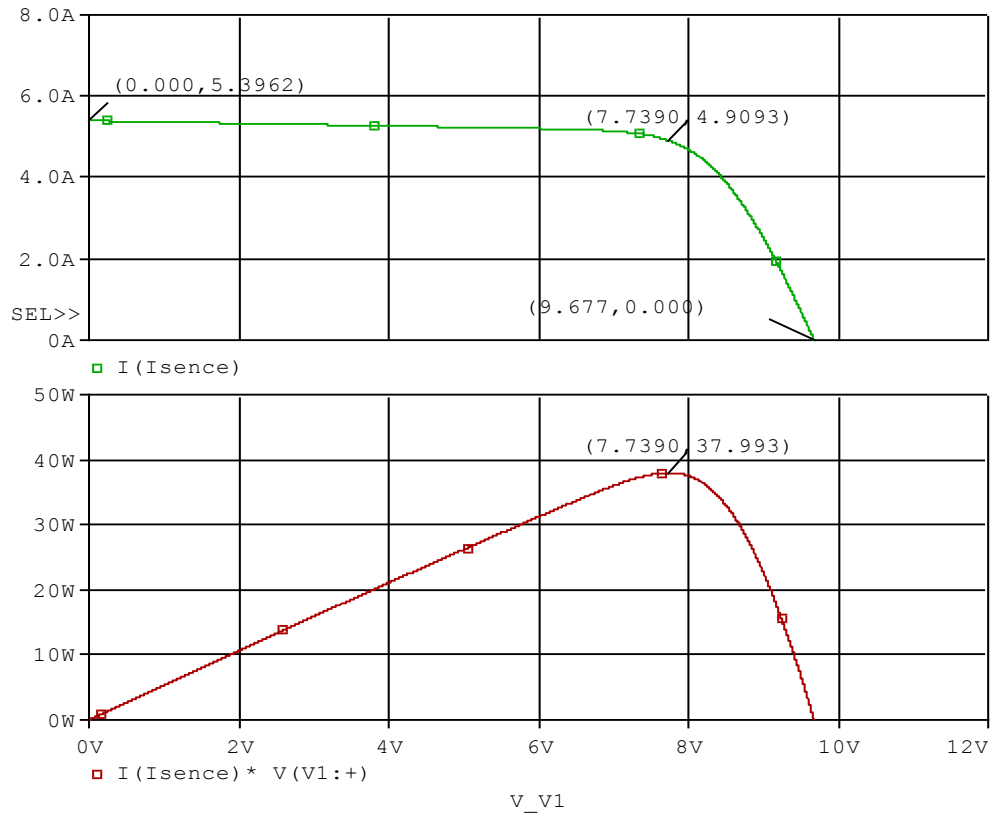
**Bee Technologies Inc.**

# Circuit Configuration

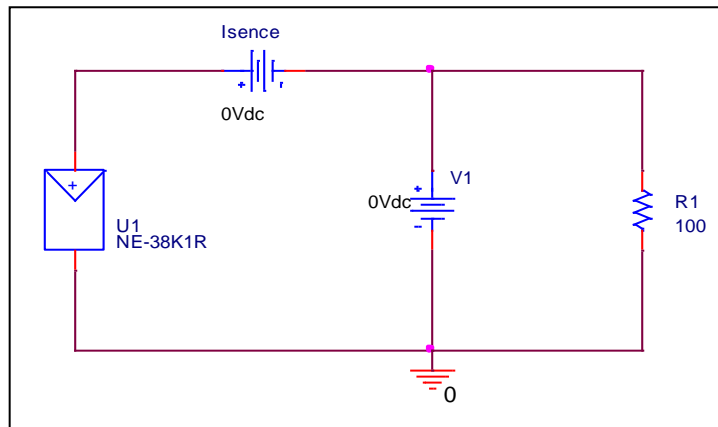


# Output Characteristic

## Circuit Simulation Result



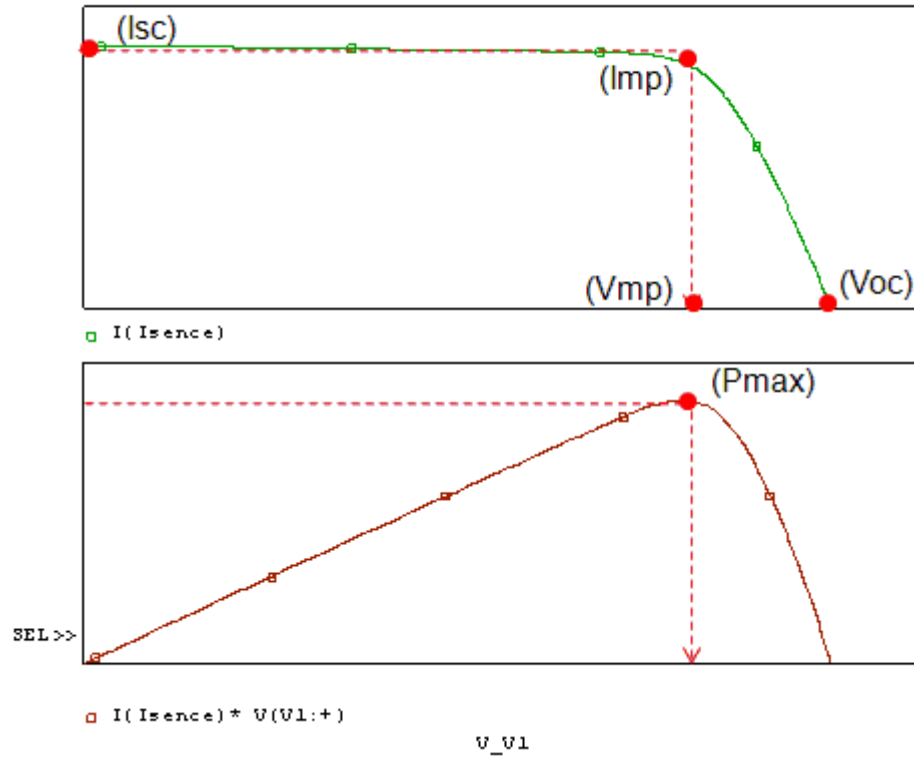
## Simulation Circuit



## Output Characteristic

## Reference

### Circuit Simulation Result



### Data Table

Symbol	Measurement	Simulation	%Error
Pmax	38.0000	37.9930	-0.0184
Vmp	7.7400	7.7390	-0.0129
Imp	4.9100	4.9093	-0.0143
Voc	9.7000	9.6770	-0.2371
Isc	5.4000	5.3962	-0.0704

## Data Information

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No.NE-38K1R	
Maximum output (Pmax)	38.0000
Maximum power voltage (Vmp)	7.7400
Maximum power current (Imp)	4.9100
Open circuit voltage (Voc)	9.7000
Short circuit current (Isc)	5.4000