

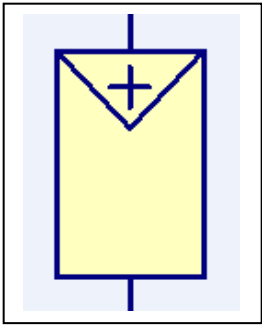
# Device Modeling Report

COMPONENTS: Solar Cell  
PART NUMBER: Q6LM-1600  
MANUFACTURER: Q.CELLS  
REMARK:  $P_{max}=3.78(W)$   
REPORT of SolarCells (LTspice IV)



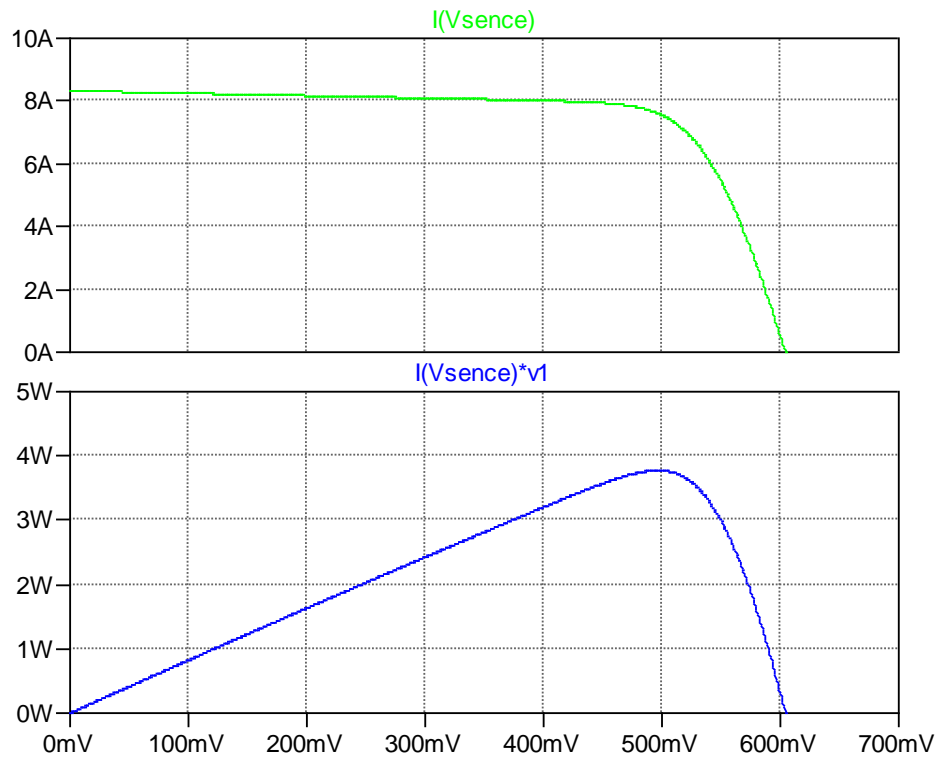
**Bee Technologies Inc.**

# Circuit Configuration

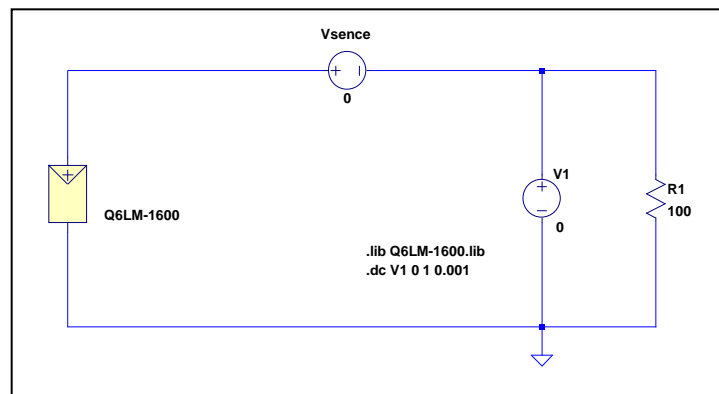


# Output Characteristic

## Circuit Simulation Result



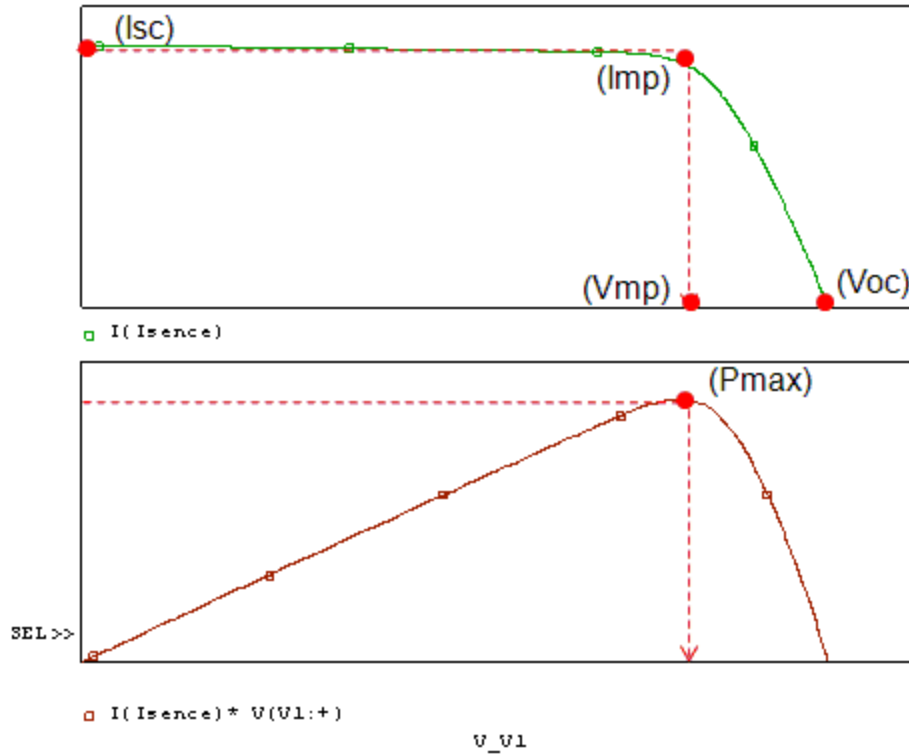
## Simulation Circuit



## Output Characteristic

## Reference

### Circuit Simulation Result



### Data Table

Symbol	Measurement	Simulation	%Error
Pmax	3.7800	3.7737	-0.167
Vmp	0.4967	0.4960	-0.144
Imp	7.6100	7.6083	-0.022
Voc	0.6050	0.6040	-0.161
Isc	8.3400	8.3271	-0.155

## Data Information

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No. Q6LM-160	
Maximum output (Pmax)	3.78(W)
Maximum power voltage (Vmp)	0.4967(V)
Maximum power current (Imp)	7.61(A)
Open circuit voltage (Voc)	0.605(V)
Short circuit current (Isc)	8.34(A)