

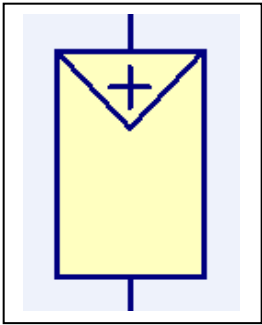
# Device Modeling Report

COMPONENTS: Solar Cell  
PART NUMBER: STP165S-24\_Ab-1  
MUNUFACTURER: Suntech Power  
REMARK:Pmax=165(W)  
REPORT of SolarCells (LTspice IV)



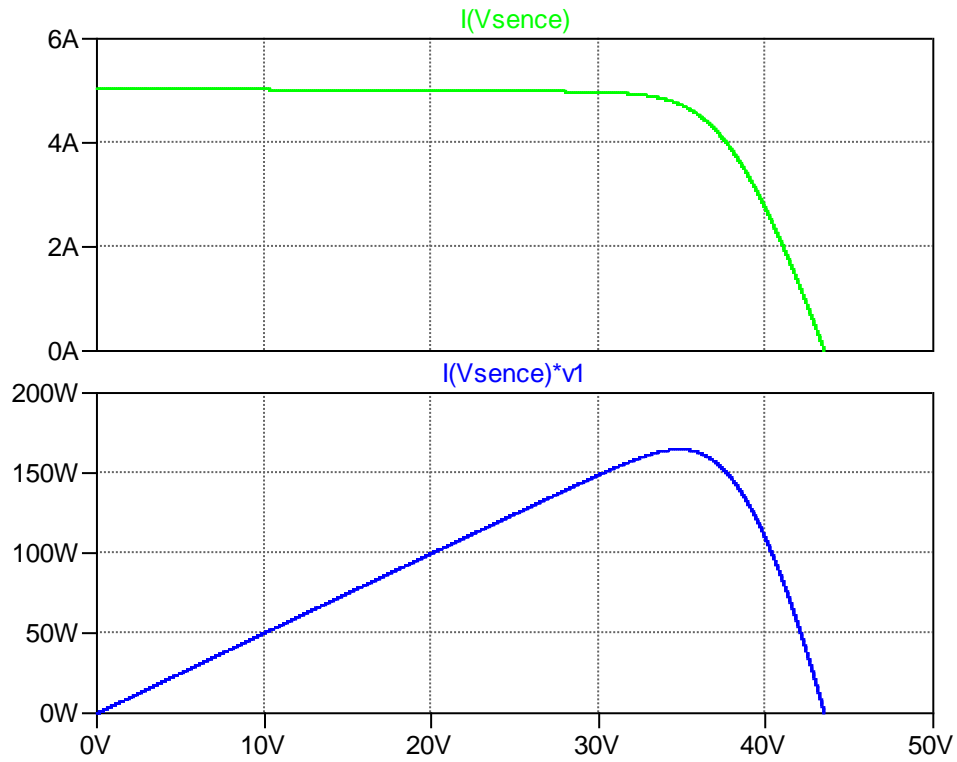
**Bee Technologies Inc.**

# Circuit Configuration

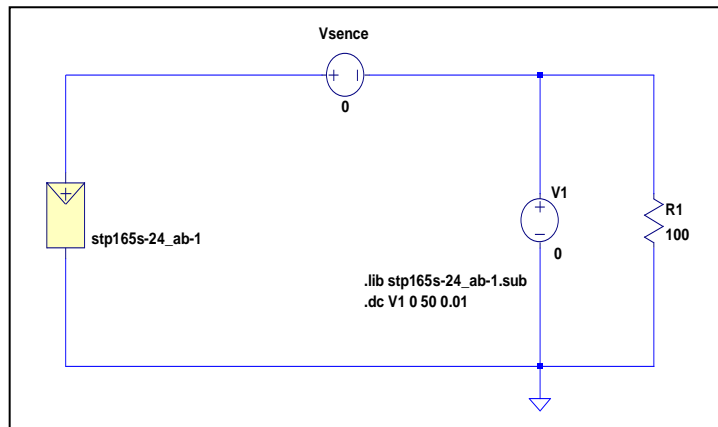


# Output Characteristic

## Circuit Simulation Result



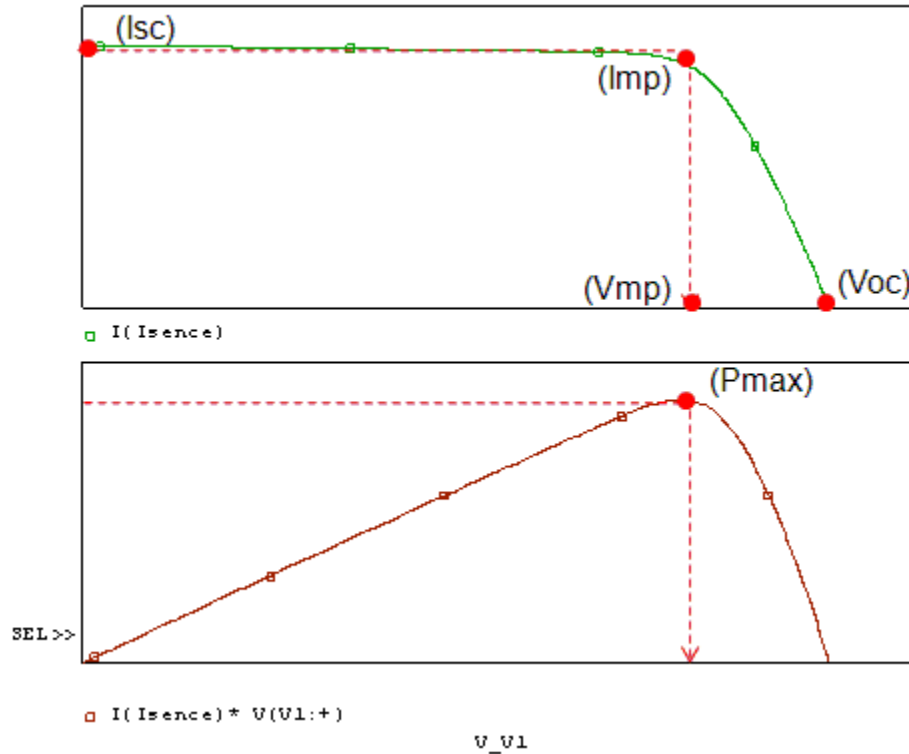
## Simulation Circuit



## Output Characteristic

## Reference

### Circuit Simulation Result



### Data Table

Symbol	Measurement	Simulation	%Error
Pmax	165.000	164.870	-0.079
Vmp	34.800	34.790	-0.029
Imp	4.740	4.739	-0.021
Voc	43.600	43.471	-0.296
Isc	5.040	5.040	0.000

## Data Information

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No. STP165S-24_Ab-1	
Maximum output (Pmax)	165.000
Maximum power voltage (Vmp)	34.800
Maximum power current (Imp)	4.740
Open circuit voltage (Voc)	43.600
Short circuit current (Isc)	5.040