

# Device Modeling Report

COMPONENTS: Solar Cell  
PART NUMBER: BP 375  
MUNUFACTURER: bp Solar  
REMARK:Pmax=75(W)  
REPORT of Solar Cells (LTspice IV)



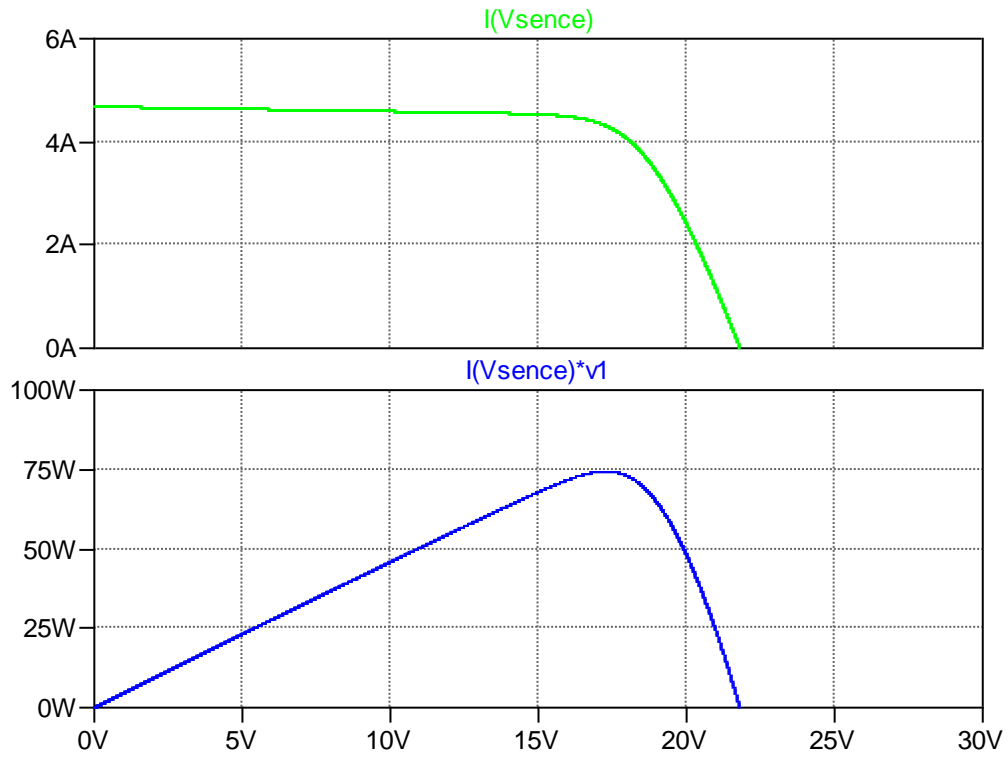
**Bee Technologies Inc.**

# Circuit Configuration

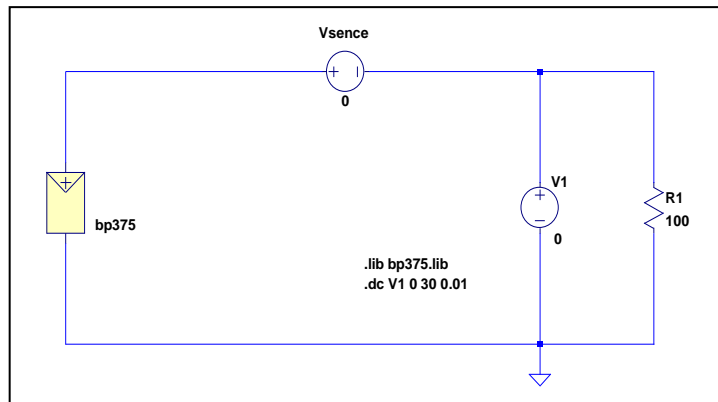


# Output Characteristic

## Circuit Simulation Result



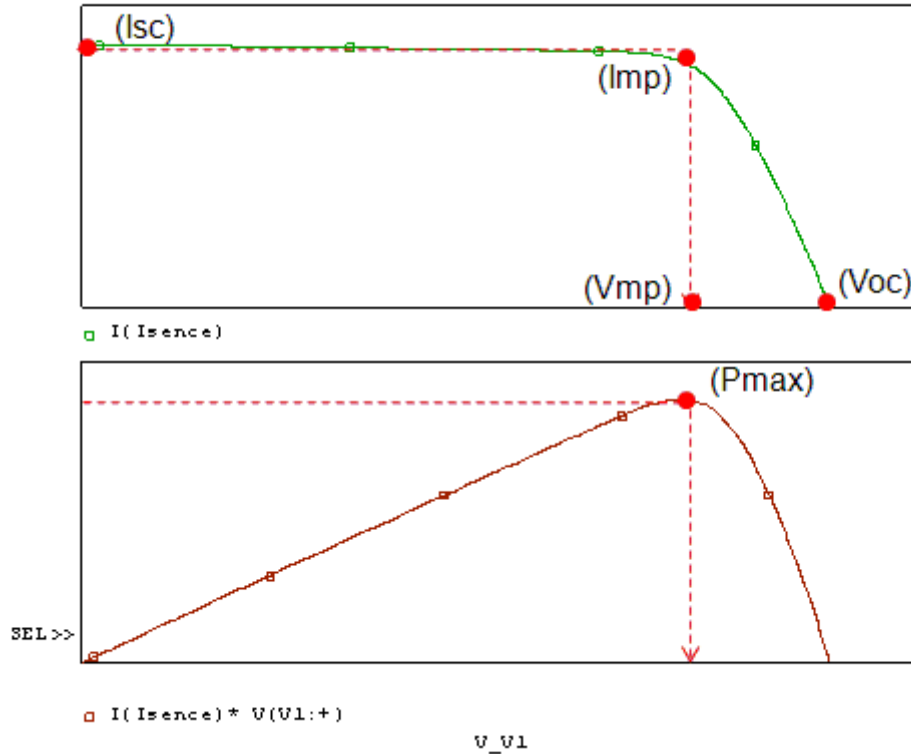
## Simulation Circuit



# Output Characteristic

# Reference

## Circuit Simulation Result



## Data Table

Symbol	Measurement	Simulation	%Error
Isc	4.7000	4.6788	-0.451
Voc	21.8000	21.7870	-0.060
Imp	4.3000	4.3000	0.000
Vmp	17.3000	17.3000	0.000
Pmax(Imp*Vmp)	74.3900	74.3900	0.000

## Data Information

---

<b>No. BP 375</b>	
<b>Maximum power (Pmax)<sup>3</sup></b>	<b>75W</b>
<b>Voltage at Pmax (Vmp)</b>	<b>17.3V</b>
<b>Current at Pmax (Imp)</b>	<b>4.3A</b>
<b>Short-circuit current (Isc)</b>	<b>4.7A</b>
<b>Open-circuit voltage (Voc)</b>	<b>21.8V</b>