

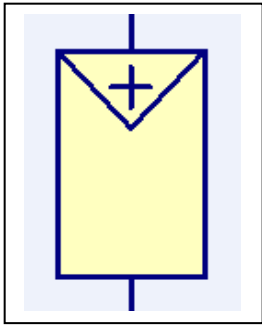
# Device Modeling Report

COMPONENTS: Solar Cell  
PART NUMBER: BP 365  
MUNUFACTURER: bp Solar  
REMARK:Pmax=65(W)  
REPORT of Solar Cells (LTspice IV)



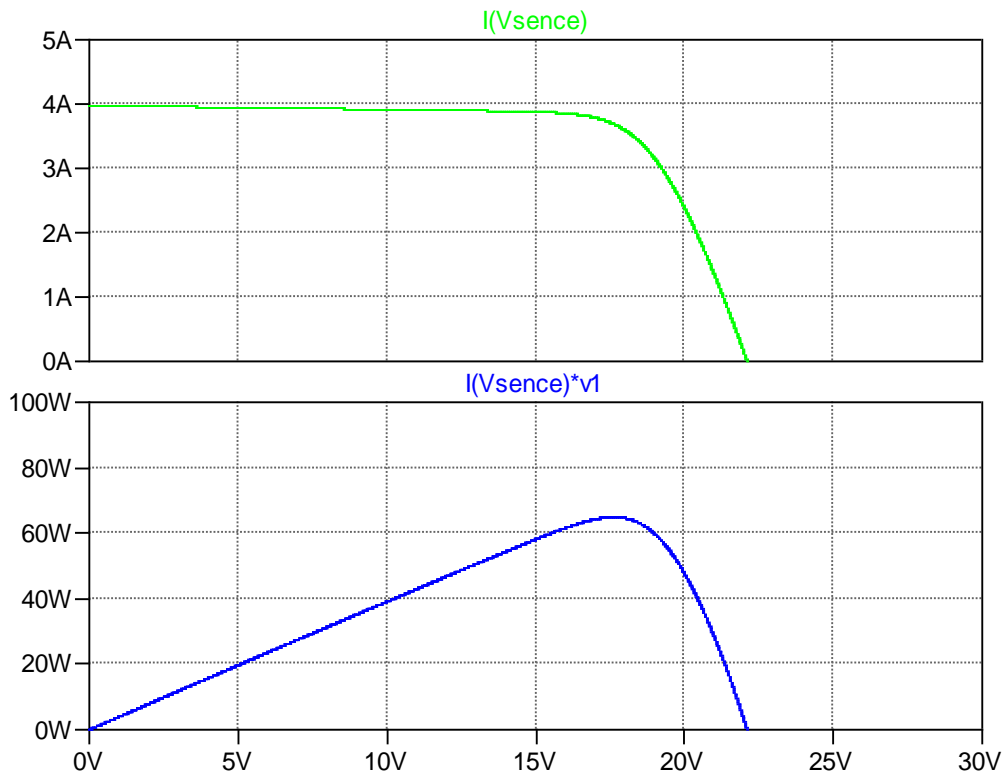
**Bee Technologies Inc.**

## Circuit Configuration

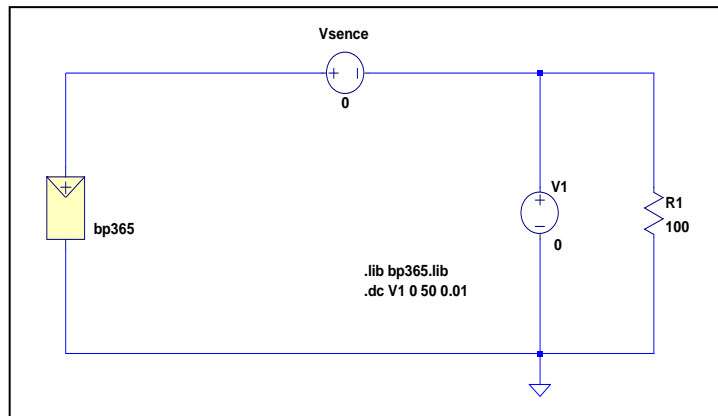


# Output Characteristic

## Circuit Simulation Result



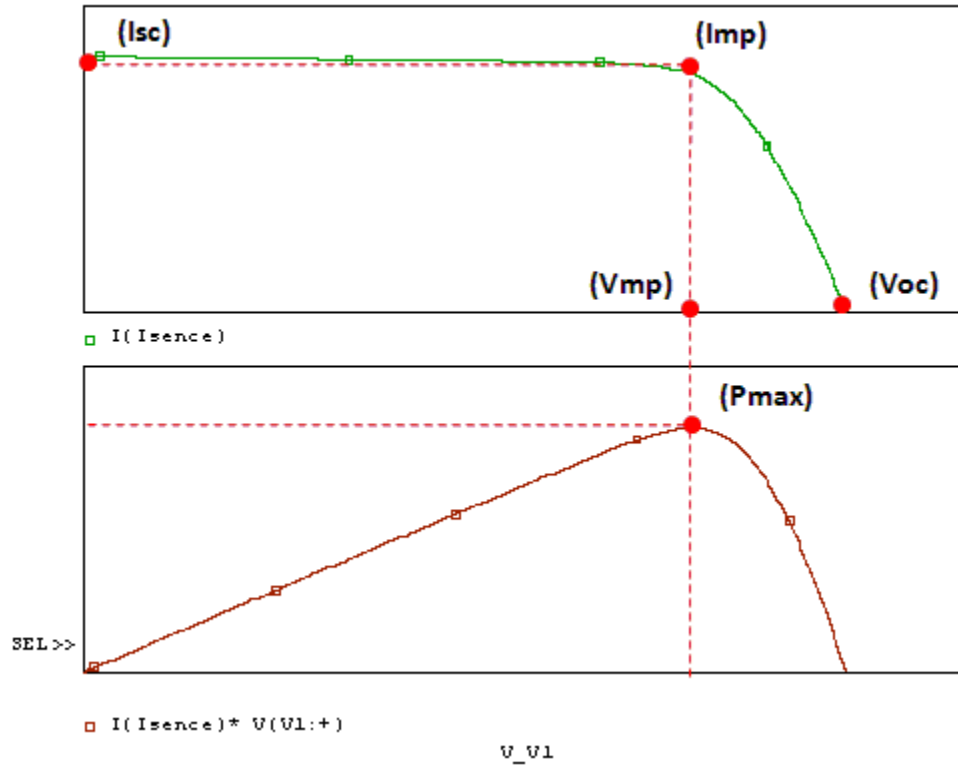
## Simulation Circuit



# Output Characteristic

# Reference

## Circuit Simulation Result



## Data Table

Symbol	Measurement	Simulation	%Error
Isc	3.9900	3.9764	-0.341
Voc	22.1000	22.0860	-0.063
Imp	3.6900	3.6900	0.000
Vmp	17.6000	17.6000	0.000
$P_{max}(I_{mp} * V_{mp})$	64.9440	64.9440	0.000

## Data Information

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<b>No. BP 365</b>	
<b>Maximum power (Pmax)<sup>3</sup></b>	<b>65W</b>
<b>Voltage at Pmax (Vmp)</b>	<b>17.6V</b>
<b>Current at Pmax (Imp)</b>	<b>3.69A</b>
<b>Short-circuit current (Isc)</b>	<b>3.99A</b>
<b>Open-circuit voltage (Voc)</b>	<b>22.1V</b>