

# Device Modeling Report

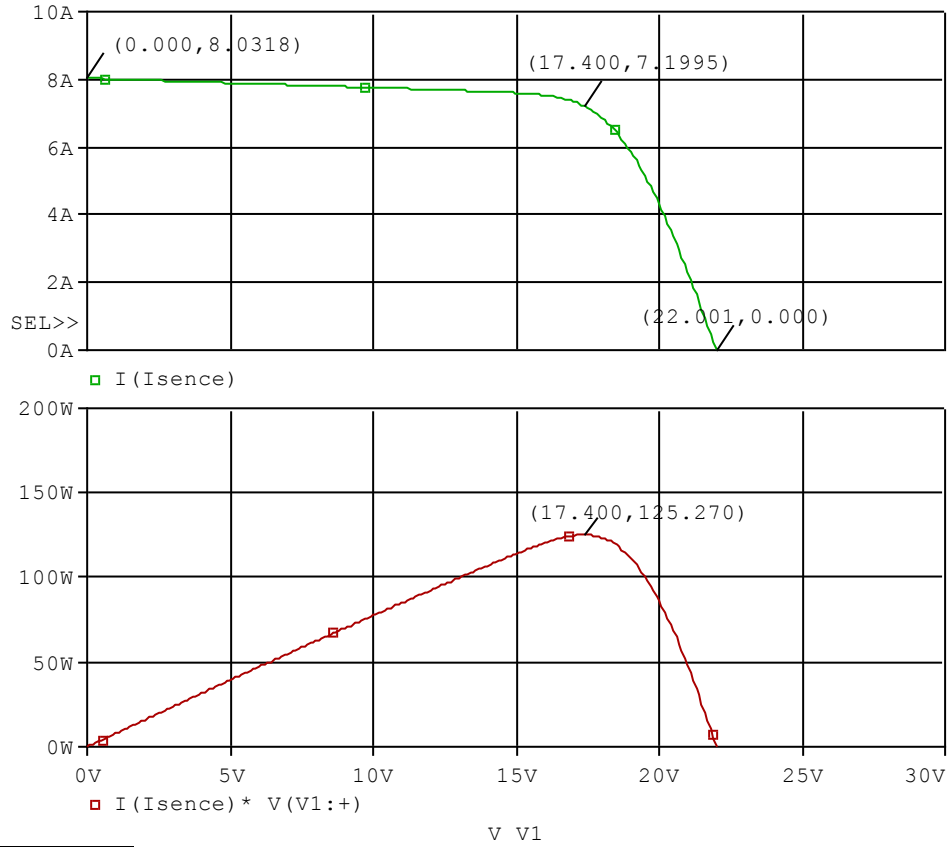
COMPONENTS: Solar Cell  
PART NUMBER: BP 3125  
MANUFACTURER: bp Solar  
REMARK: Rated power (Pmax) 125W



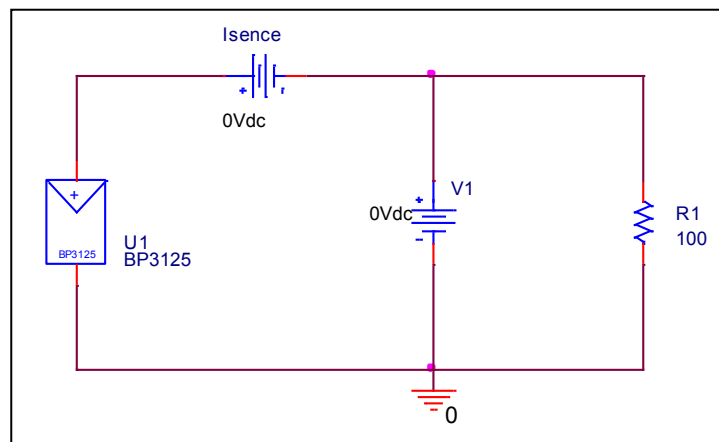
**Bee Technologies Inc.**

# Output Characteristic

## Circuit Simulation Result



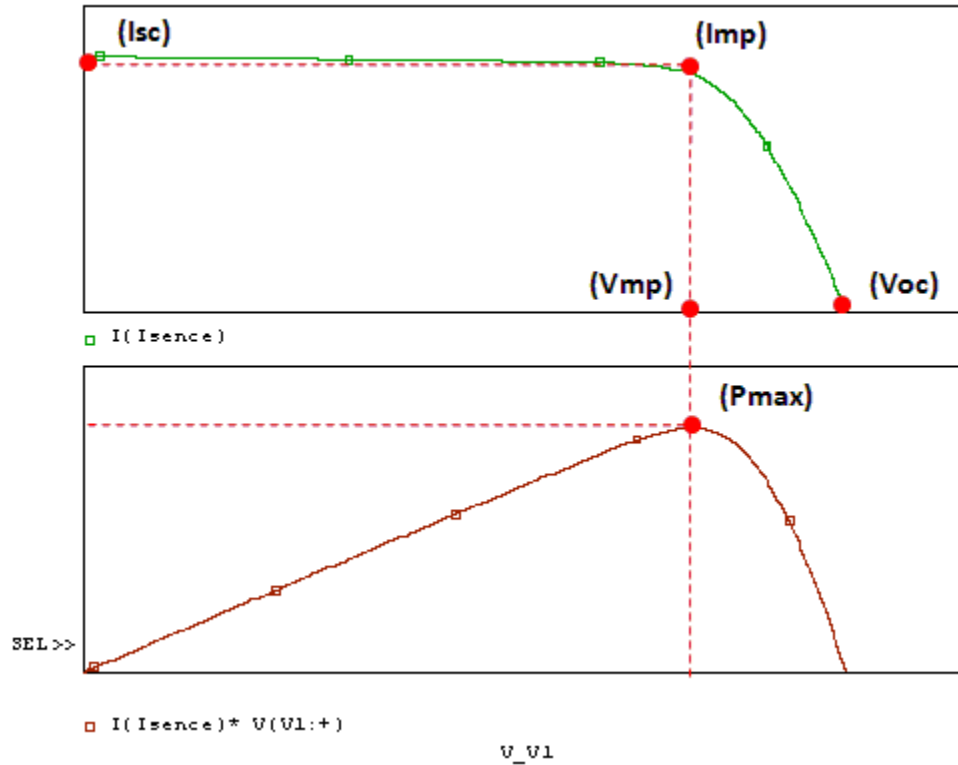
## Simulation Circuit



## Output Characteristic

## Reference

### Circuit Simulation Result



### Data Table

Symbol	Measurement	Simulation	%Error
Isc	8.1000	8.0318	-0.842
Voc	22.0000	22.0010	0.005
Imp	7.2000	7.1995	-0.007
Vmp	17.4000	17.4000	0.000
Pmax(Imp*Vmp)	125.2800	125.2700	-0.008

## Data Information

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<b>No. BP 3125</b>	
<b>Maximum power (Pmax)<sup>3</sup></b>	<b>125W</b>
<b>Voltage at Pmax (Vmp)</b>	<b>17.4V</b>
<b>Current at Pmax (Imp)</b>	<b>7.2A</b>
<b>Short-circuit current (Isc)</b>	<b>8.1A</b>
<b>Open-circuit voltage (Voc)</b>	<b>22.0V</b>