

# Device Modeling Report

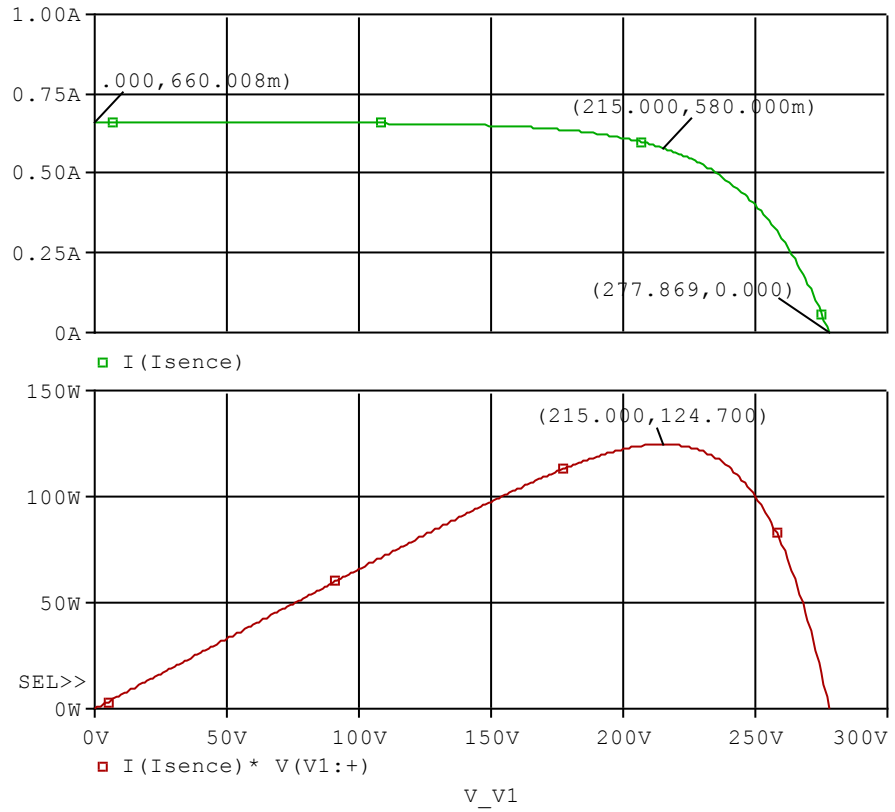
COMPONENTS: Solar Cell  
PART NUMBER: HEM125PA  
MUNUFACTURER: HONDA  
REMARK: Pmax=124.7(W)



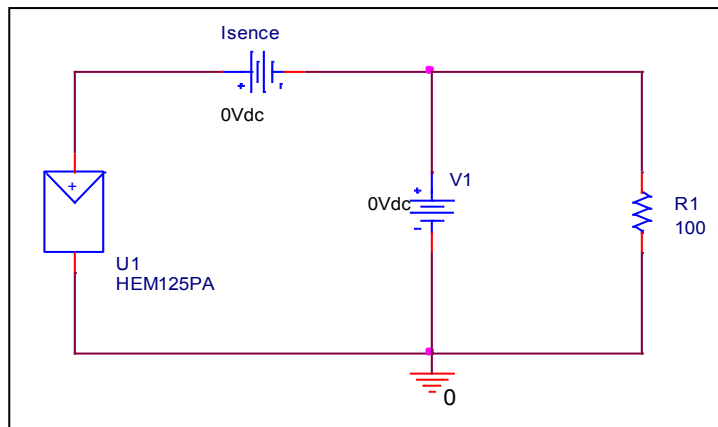
**Bee Technologies Inc.**

# Output Characteristic

## Circuit Simulation Result



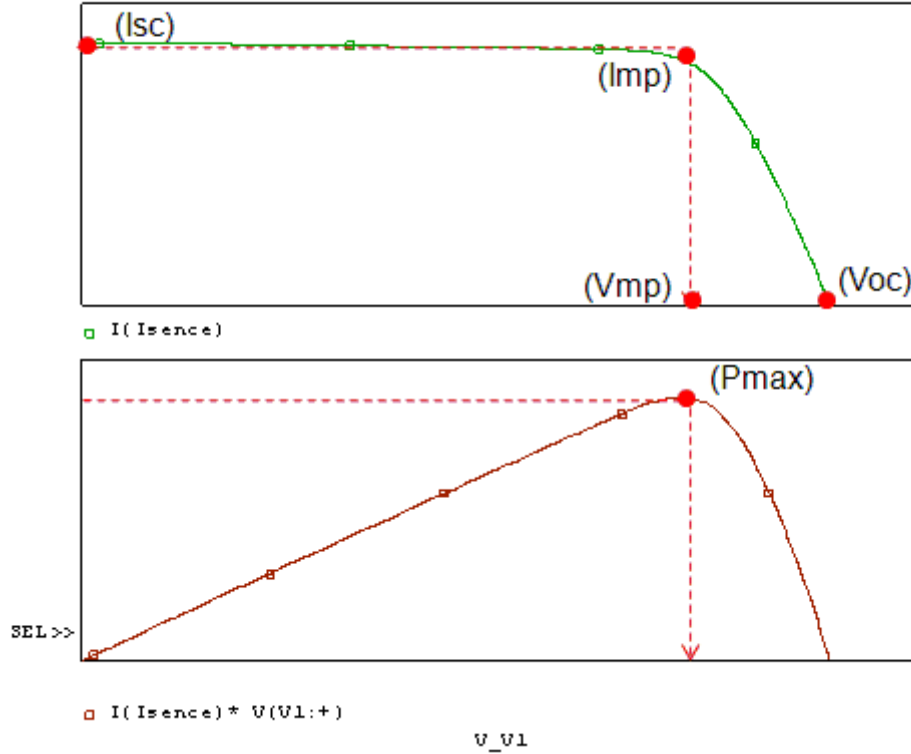
## Simulation Circuit



# Output Characteristic

# Reference

## Circuit Simulation Result



## Data Table

| Symbol | Measurement | Simulation | %Error |
|--------|-------------|------------|--------|
| Pmax   | 124.700     | 124.700    | 0.000  |
| Vmp    | 215.000     | 215.000    | 0.000  |
| Imp    | 0.580       | 0.580      | 0.000  |
| Isc    | 0.660       | 0.660      | 0.000  |
| Voc    | 280.000     | 277.869    | -0.761 |

## Data Information

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|                            |          |
|----------------------------|----------|
| No. HEM125PA               |          |
| Maximum power(Pmax)        | 124.7(W) |
| Voltage at Pmax(Vmp)       | 215(V)   |
| Current at Pmax(Imp)       | 0.58(A)  |
| Short-circuit current(Isc) | 0.66(A)  |
| Open-circuit voltage(Voc)  | 280(V)   |

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