

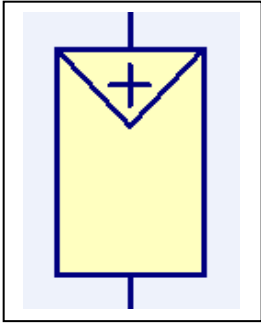
# Device Modeling Report

COMPONENTS: Solar Cell  
PART NUMBER: EH53T-02  
MUNUFACTURER: KYOCERA  
REMARK:Pmax=53(W)  
REPORT of SolarCells (LTspice IV)



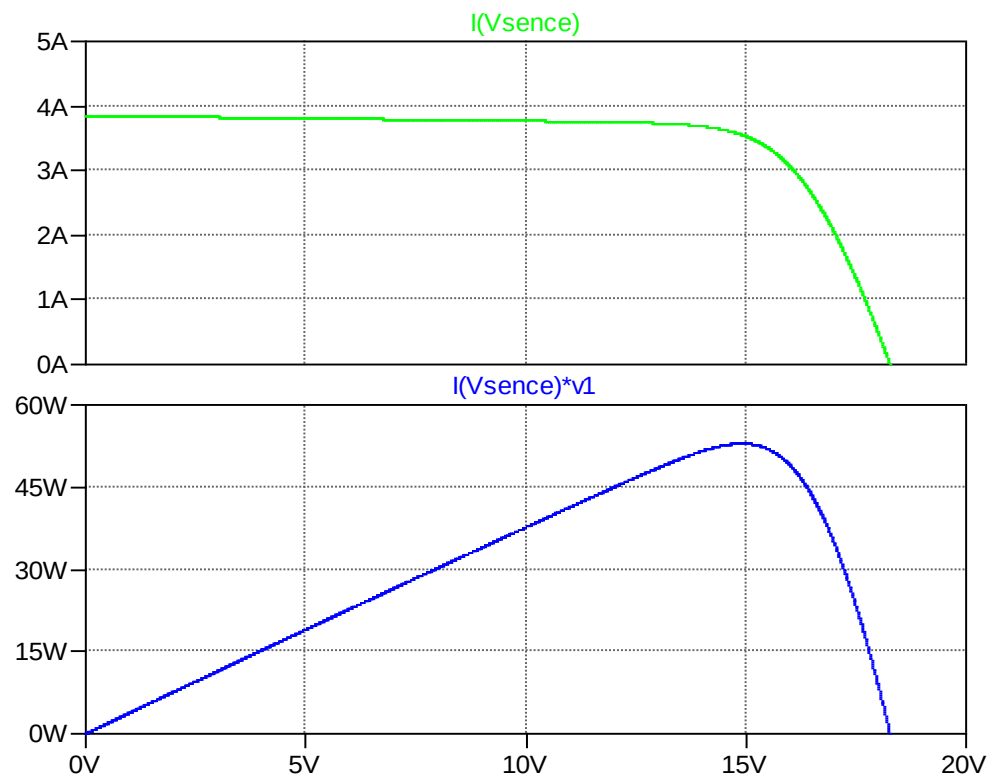
**Bee Technologies Inc.**

## Circuit Configuration

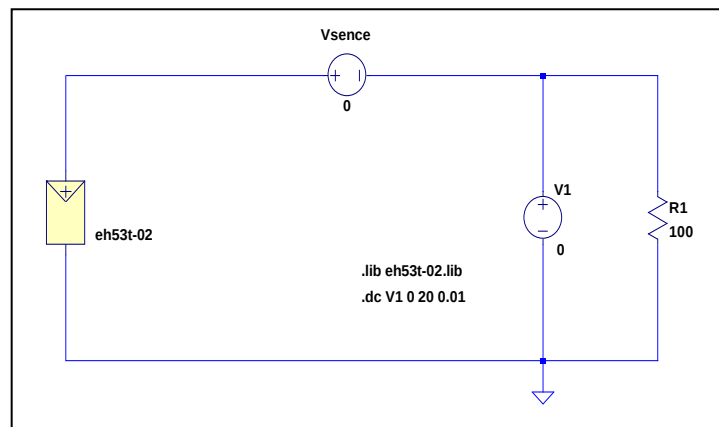


## Output Characteristic

### Circuit Simulation Result



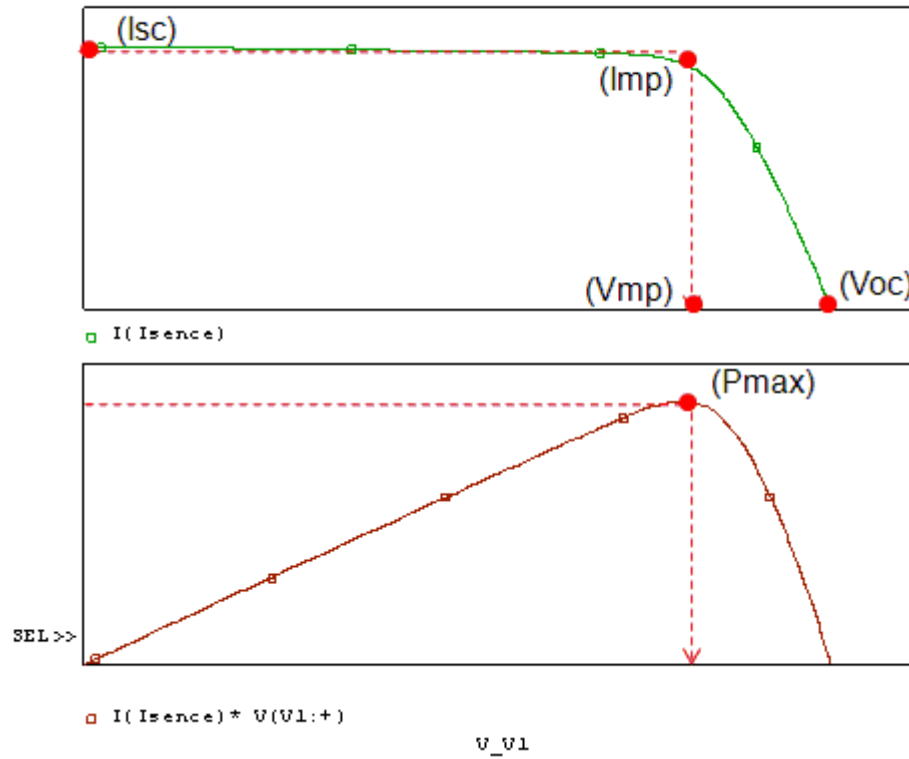
### Simulation Circuit



## Output Characteristic

## Reference

### Circuit Simulation Result



### Data Table

| Symbol | Measurement | Simulation | %Error |
|--------|-------------|------------|--------|
| Pmax   | 53.000      | 52.934     | -0.125 |
| Vmp    | 14.900      | 14.900     | 0.000  |
| Imp    | 3.560       | 3.553      | -0.208 |
| Isc    | 3.850       | 3.849      | -0.039 |
| Voc    | 18.400      | 18.263     | -0.745 |

## Data Information

|                            |         |
|----------------------------|---------|
| No. EH53T-02               |         |
| Maximum power(Pmax)        | 53(W)   |
| Voltage at Pmax(Vmp)       | 14.9(V) |
| Current at Pmax(Imp)       | 3.56(A) |
| Short-circuit current(Isc) | 3.85(A) |
| Open-circuit voltage(Voc)  | 18.4(V) |