

# Device Modeling Report

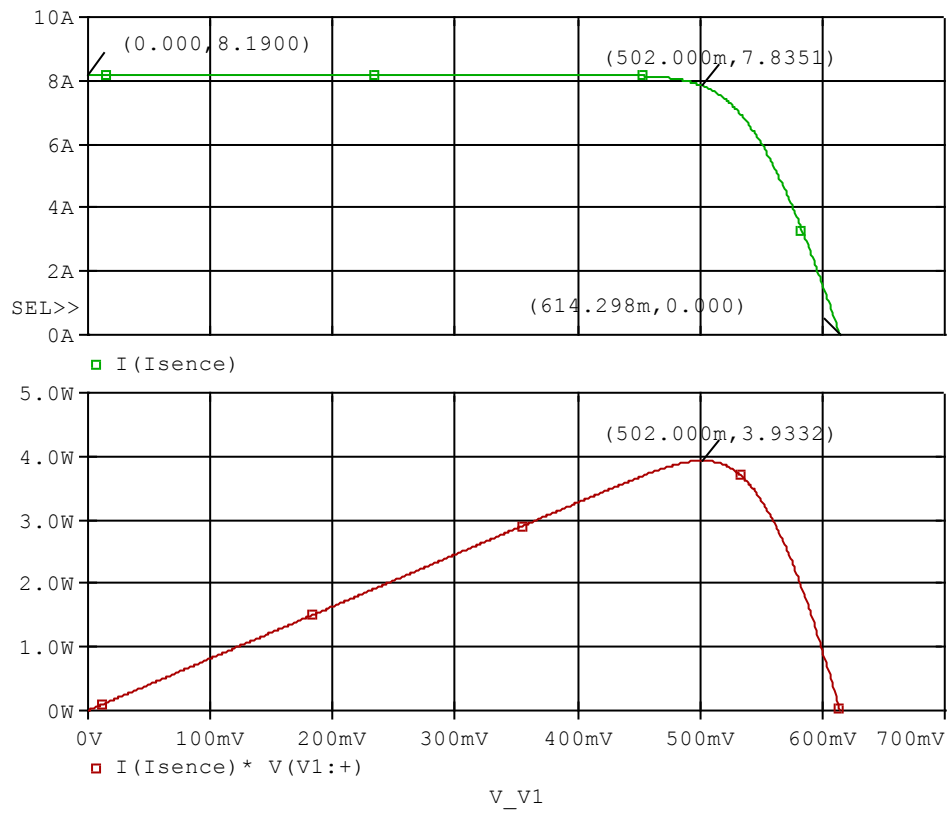
COMPONENTS: Solar Cell  
PART NUMBER: Q6LTT3-1640  
MANUFACTURER: Q.CELLS  
REMARK:  $P_{max}=3.99(W)$



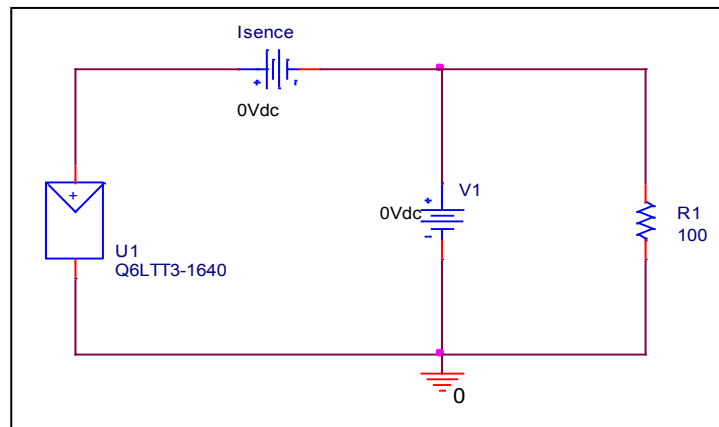
**Bee Technologies Inc.**

## Output Characteristic

### Circuit Simulation Result



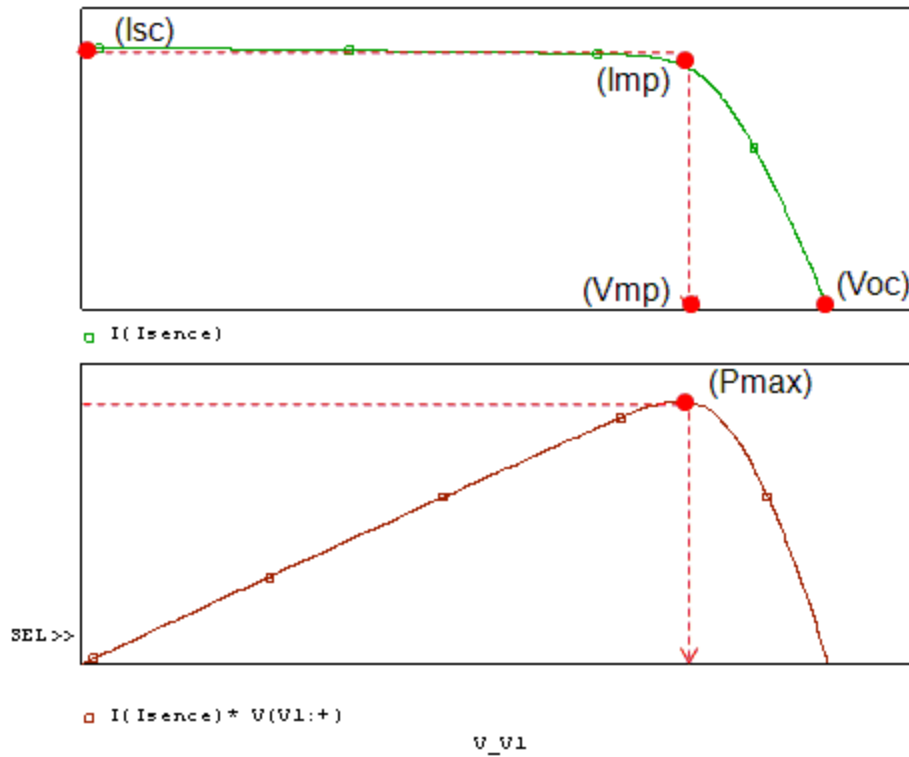
### Simulation Circuit



## Output Characteristic

## Reference

### Circuit Simulation Result



### Data Table

| Symbol | Measurement | Simulation | %Error |
|--------|-------------|------------|--------|
| Pmax   | 3.9900      | 3.9332     | -1.424 |
| Vmp    | 0.5025      | 0.5020     | -0.103 |
| Imp    | 7.9400      | 7.8351     | -1.321 |
| Voc    | 0.6170      | 0.6143     | -0.437 |
| Isc    | 8.1900      | 8.1900     | 0.000  |

## Data Information

|                             |           |
|-----------------------------|-----------|
| No. Q6LTT3-1640             |           |
| Maximum output (Pmax)       | 3.9900(W) |
| Maximum power voltage (Vmp) | 0.5025(V) |
| Maximum power current (Imp) | 7.9400(A) |
| Open circuit voltage (Voc)  | 0.6170(V) |
| Short circuit current (Isc) | 8.1900(A) |