

# Device Modeling Report

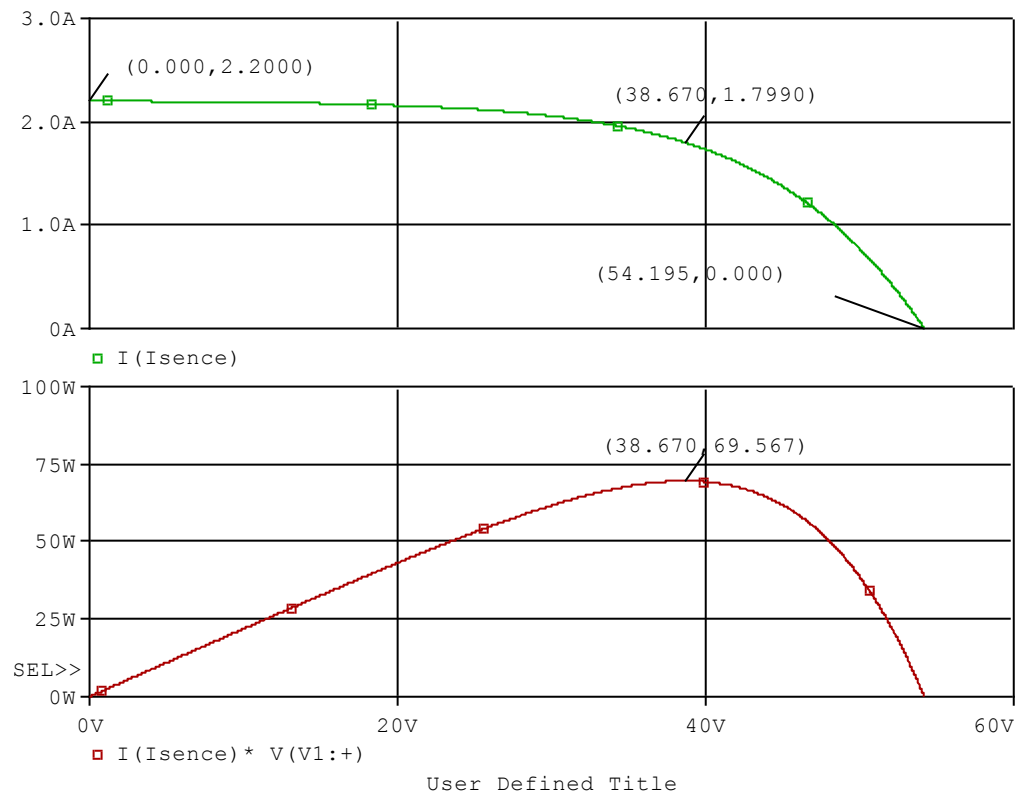
COMPONENTS: Solar Cell  
PART NUMBER: SC70-A  
MUNUFACTURER: Showa Shell Solar  
REMARK:Pmax=70(W)



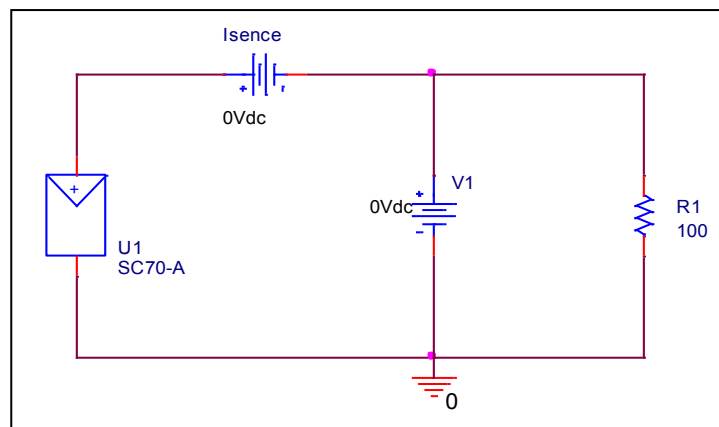
**Bee Technologies Inc.**

## Output Characteristic

### Circuit Simulation Result



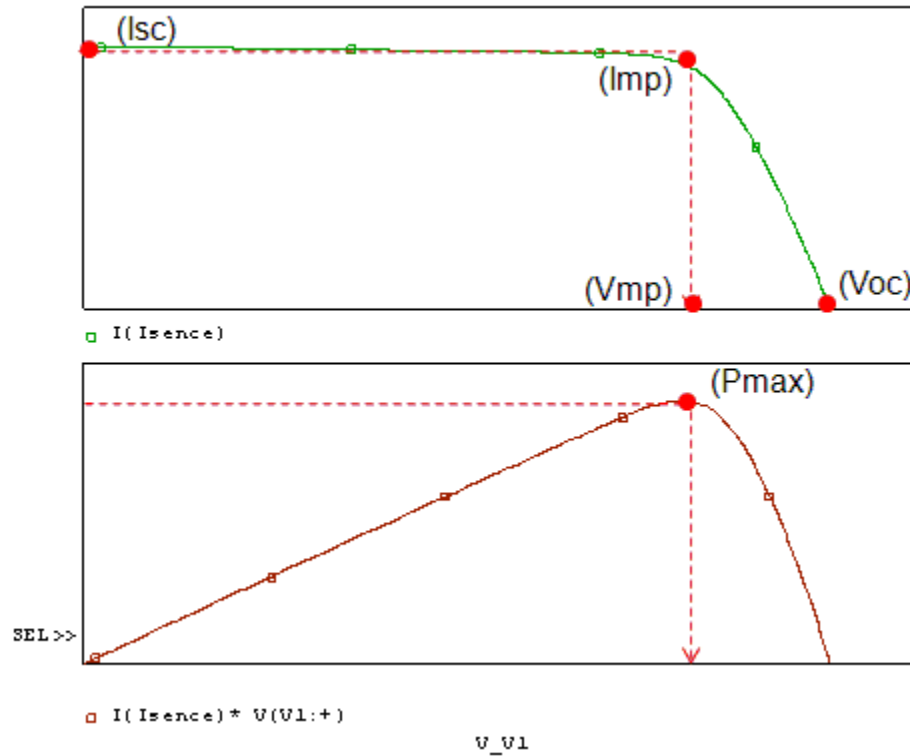
### Simulation Circuit



## Output Characteristic

## Reference

### Circuit Simulation Result



### Data Table

| Symbol | Measurement | Simulation | %Error |
|--------|-------------|------------|--------|
| Pmax   | 69.560      | 69.567     | 0.010  |
| Vmp    | 37.600      | 38.670     | 2.846  |
| Imp    | 1.850       | 1.799      | -2.757 |
| Isc    | 2.200       | 2.200      | 0.000  |
| Voc    | 54.000      | 54.195     | 0.361  |

## Data Information

|                            |         |
|----------------------------|---------|
| No. SC70-A                 |         |
| Maximum power(Pmax)        | 70(W)   |
| Voltage at Pmax(Vmp)       | 37.6(V) |
| Current at Pmax(Imp)       | 1.85(A) |
| Short-circuit current(Isc) | 2.20(A) |
| Open-circuit voltage(Voc)  | 54.0(V) |