

# Device Modeling Report

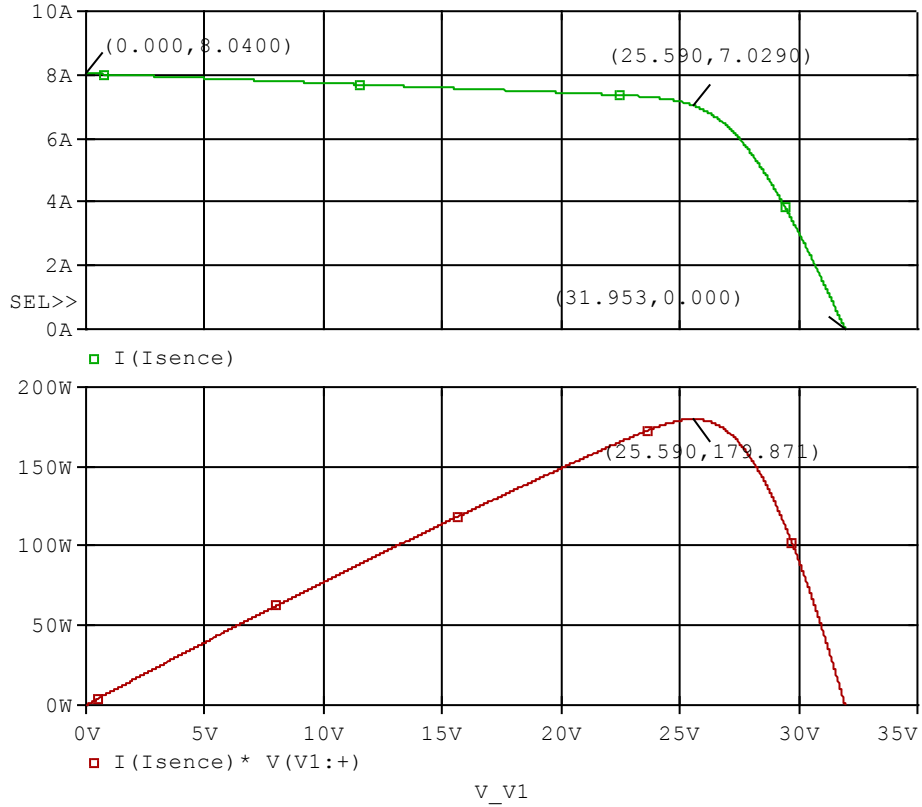
COMPONENTS: Solar Cell  
PART NUMBER: PCB180  
MANUFACTURER: YOCASOL  
REMARK: Pmax=180(W)



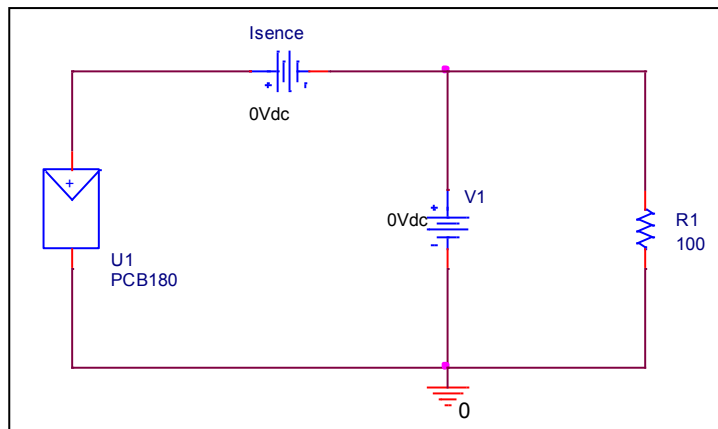
**Bee Technologies Inc.**

# Output Characteristic

## Circuit Simulation Result



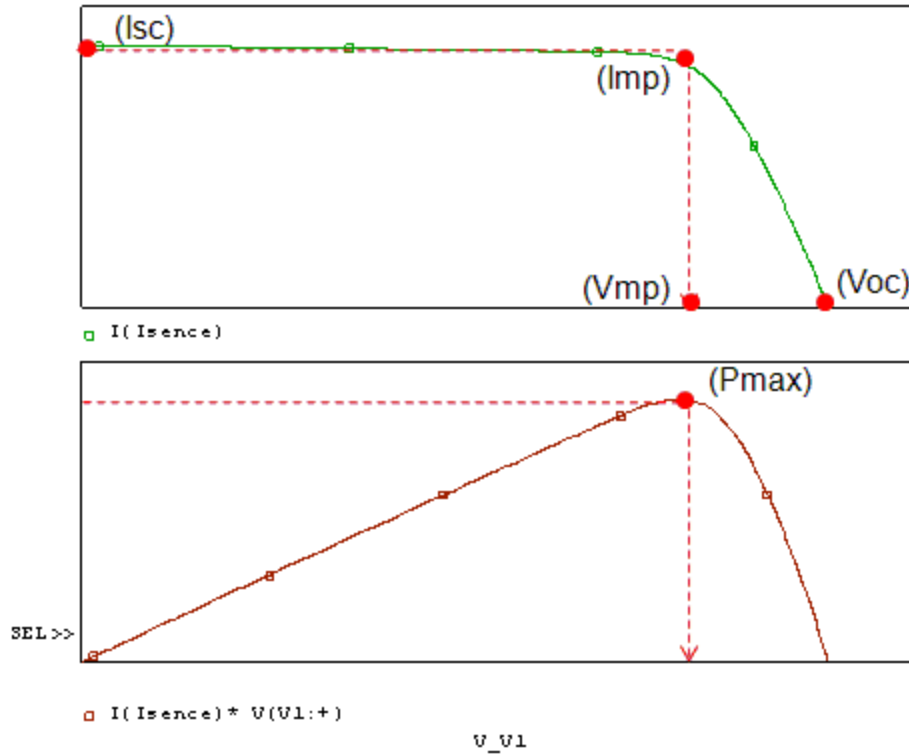
## Simulation Circuit



## Output Characteristic

## Reference

### Circuit Simulation Result



### Data Table

| Symbol | Measurement | Simulation | %Error |
|--------|-------------|------------|--------|
| Pmax   | 180.00      | 179.871    | -0.072 |
| Vmp    | 25.60       | 25.590     | -0.039 |
| Imp    | 7.03        | 7.029      | -0.014 |
| Voc    | 32.00       | 31.954     | -0.144 |
| Isc    | 8.04        | 8.040      | 0.000  |

## Data Information

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|                             |       |
|-----------------------------|-------|
| No. PCB180                  |       |
| Maximum output (Pmax)       | 180W  |
| Maximum power voltage (Vmp) | 25.6V |
| Maximum power current (Imp) | 7.03A |
| Open circuit voltage (Voc)  | 32.0V |
| Short circuit current (Isc) | 8.04A |