

# Device Modeling Report

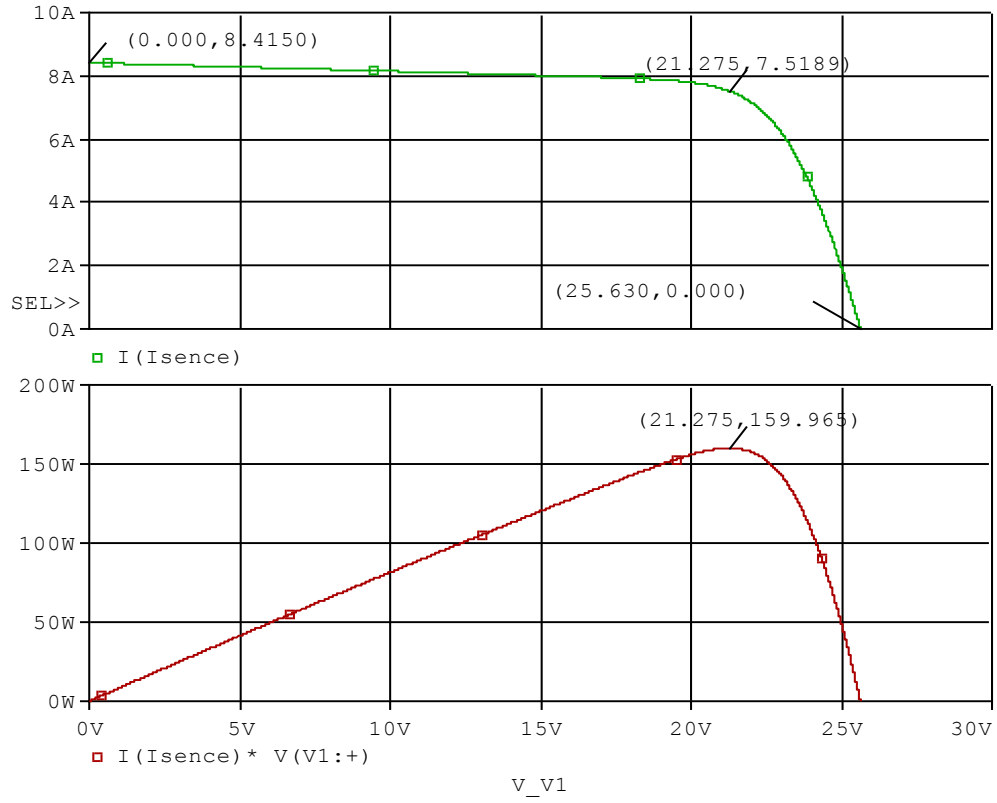
COMPONENTS: Solar Cell  
PART NUMBER: ND-160AV  
MUNUFACTURER: SHARP  
REMARK: Pmax=160(W)



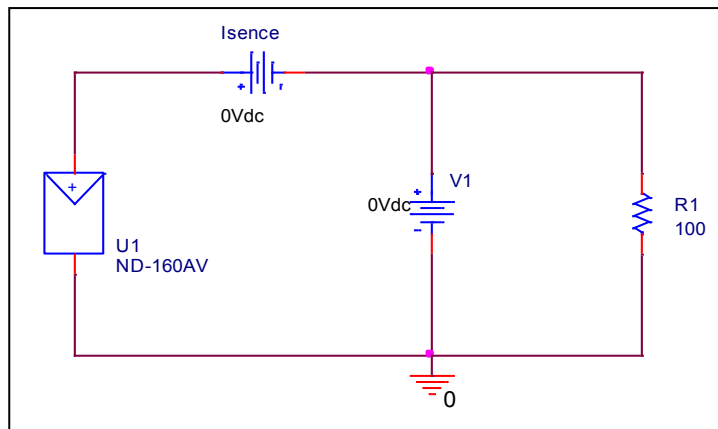
**Bee Technologies Inc.**

# Output Characteristic

## Circuit Simulation Result



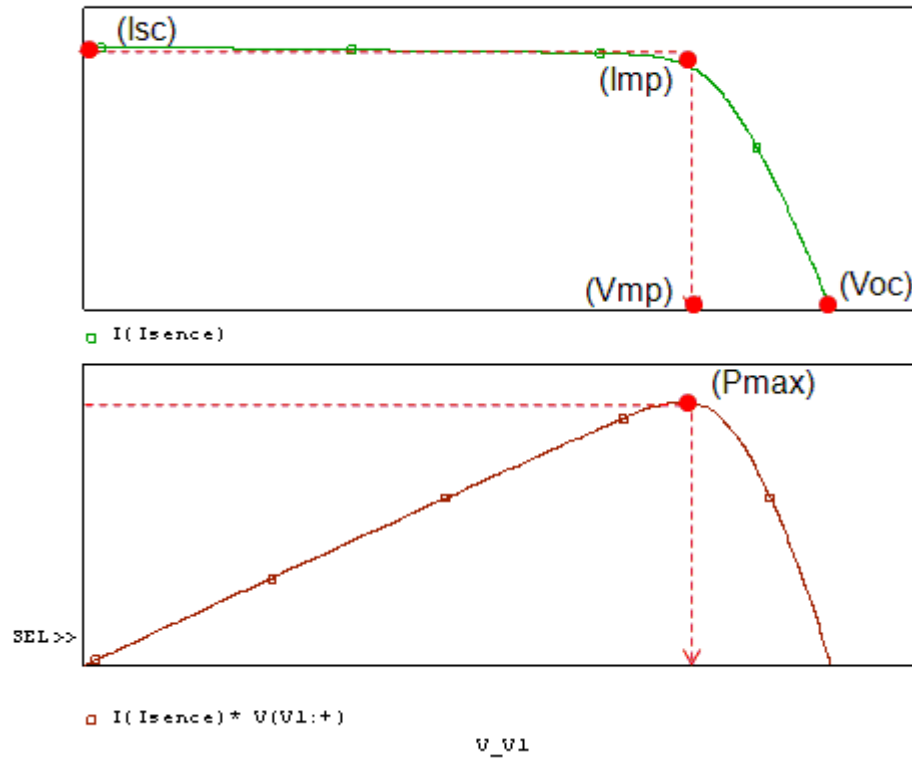
## Simulation Circuit



## Output Characteristic

## Reference

### Circuit Simulation Result



### Data Table

Symbol	Measurement	Simulation	%Error
Pmax	160.0000	159.9650	-0.0219
Vmp	21.2800	21.2750	-0.0235
Imp	7.5200	7.5189	-0.0146
Voc	25.6000	25.6300	0.1172
Isc	8.4200	8.4150	-0.0594

## Data Information

---

No. ND-160AV	
Maximum output (Pmax)	160.0000
Maximum power voltage (Vmp)	21.2800
Maximum power current (Imp)	7.5200
Open circuit voltage (Voc)	25.6000
Short circuit current (Isc)	8.4200