

# Device Modeling Report

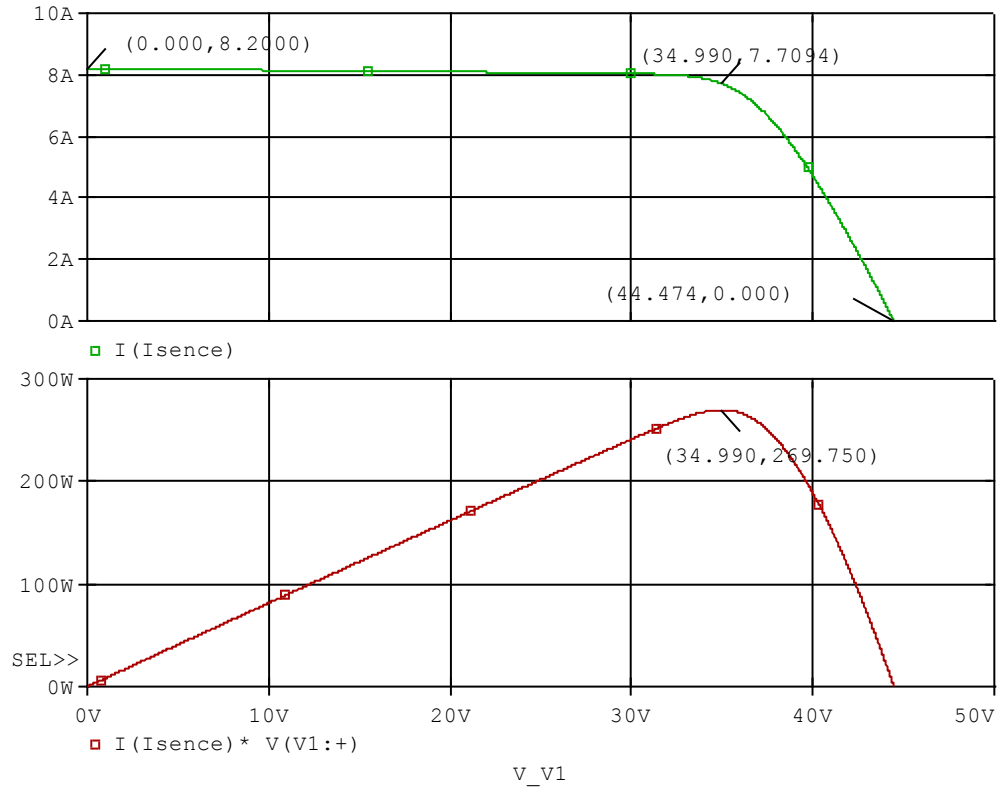
COMPONENTS: Solar Cell  
PART NUMBER: STP270-24/Vd  
MUNUFACTURER: Suntech Power  
REMARK: Pmax=270(W)



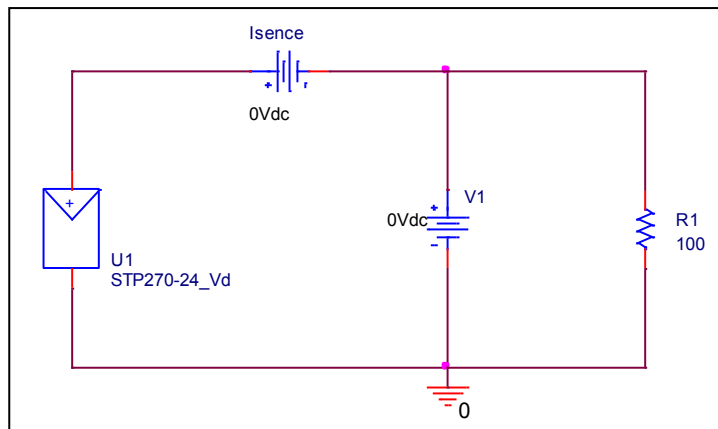
**Bee Technologies Inc.**

# Output Characteristic

## Circuit Simulation Result



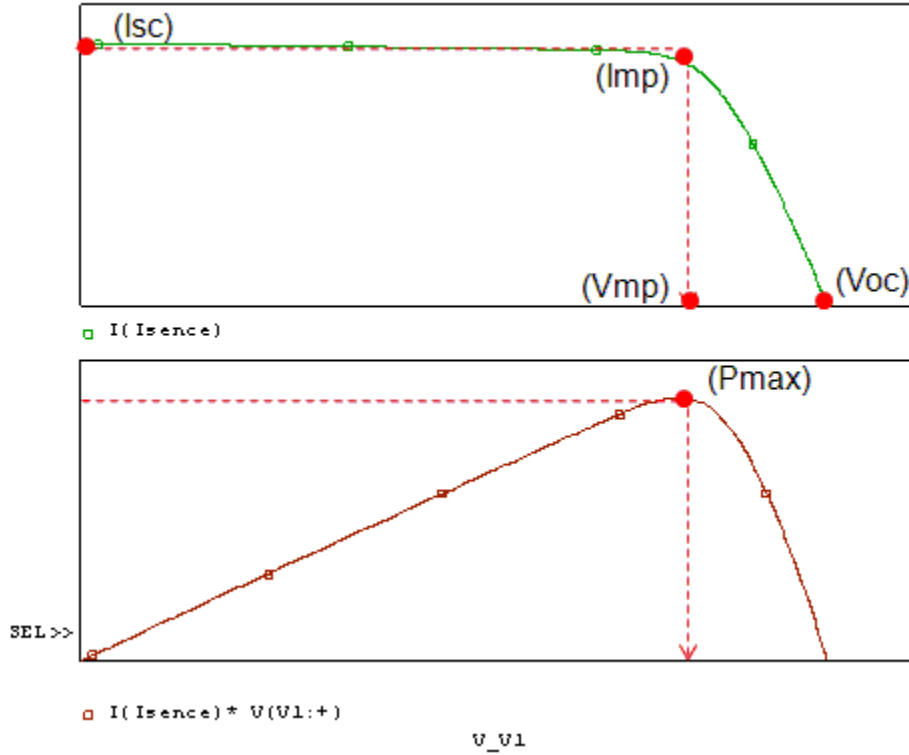
## Simulation Circuit



# Output Characteristic

# Reference

## Circuit Simulation Result



## Data Table

Symbol	Measurement	Simulation	%Error
Pmax	270.0000	269.7500	-0.093
Vmp	35.0000	34.9900	-0.029
Imp	7.7100	7.7094	-0.008
Voc	44.5000	44.4740	-0.058
Isc	8.2000	8.2000	0.000

## Data Information

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No. STP270-24/Vd	
Maximum output (Pmax)	270.000
Maximum power voltage (Vmp)	35.000
Maximum power current (Imp)	7.710
Open circuit voltage (Voc)	44.500
Short circuit current (Isc)	8.200