

# Device Modeling Report

COMPONENTS: Solar Cell  
PART NUMBER: ND-114CV  
MANUFACTURER: SHARP  
REMARK:Pmax=114(W)  
REPORT of SolarCells (LTspice IV)



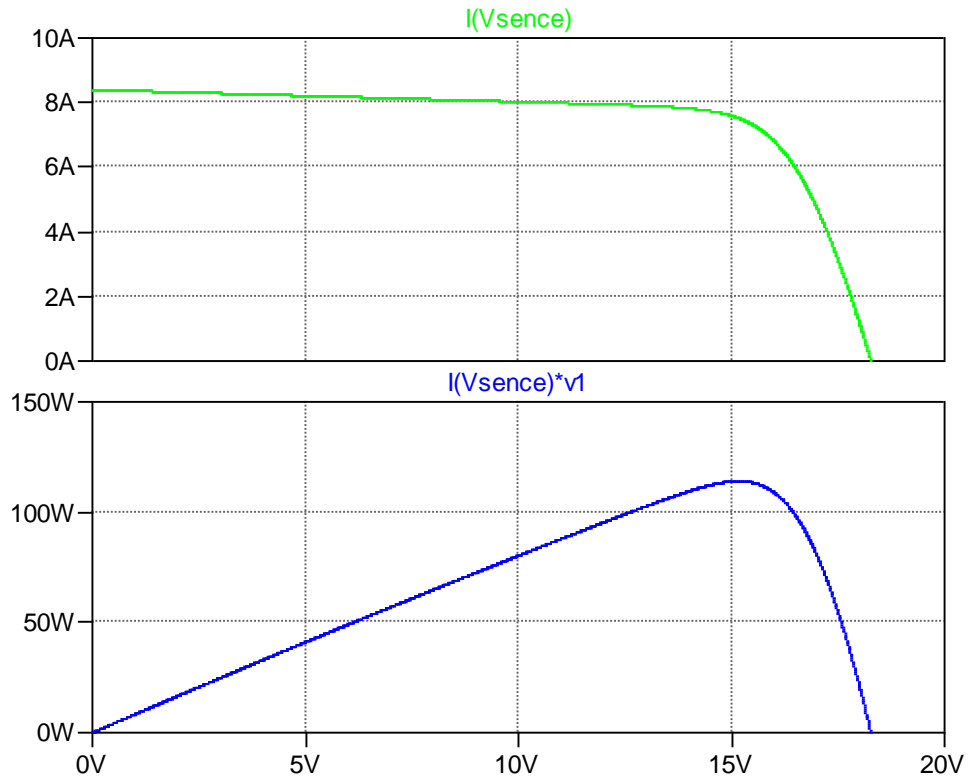
**Bee Technologies Inc.**

# Circuit Configuration

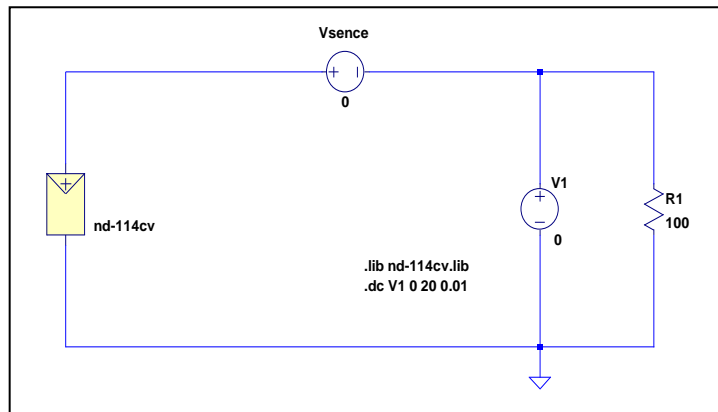


# Output Characteristic

## Circuit Simulation Result



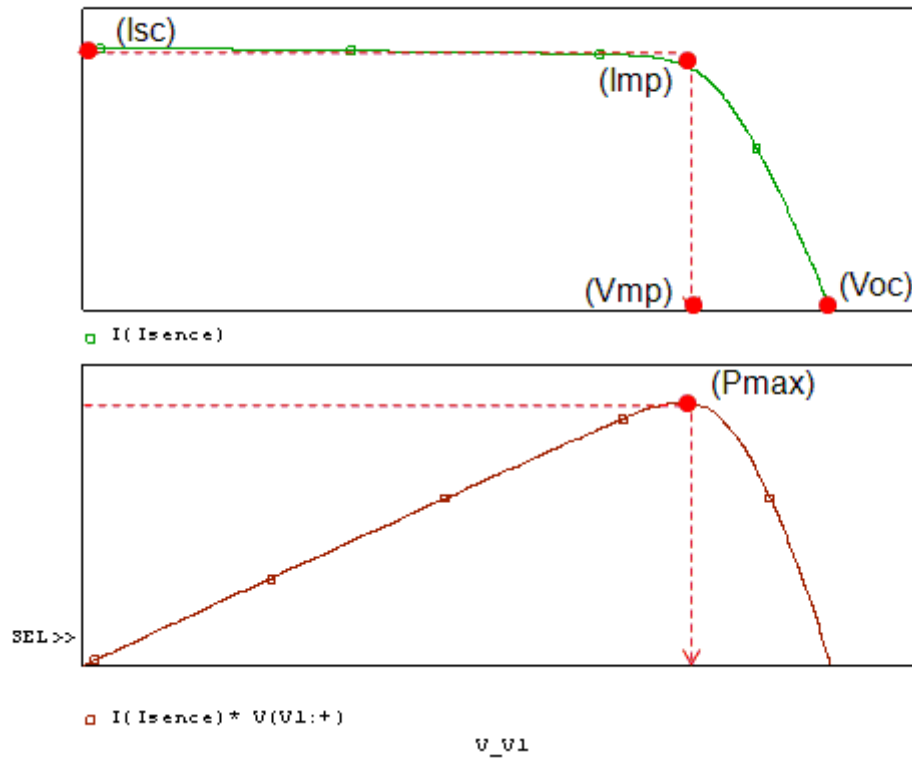
## Simulation Circuit



## Output Characteristic

## Reference

### Circuit Simulation Result



### Data Table

Symbol	Measurement	Simulation	%Error
Pmax	114.0000	113.9410	-0.0518
Vmp	15.1600	15.1540	-0.0396
Imp	7.5200	7.5189	-0.0146
Voc	18.3000	18.2620	-0.2077
Isc	8.4200	8.3950	-0.2969

## Data Information

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No. ND-114CV	
Maximum output (Pmax)	114.0000
Maximum power voltage (Vmp)	15.1600
Maximum power current (Imp)	7.5200
Open circuit voltage (Voc)	18.3000
Short circuit current (Isc)	8.4200