

Device Modeling Report

COMPONENTS: Solar Cell
PART NUMBER: ND-191AV
MANUFACTURER: SHARP
REMARK:Pmax=191(W)
REPORT of SolarCells (LTspice IV)



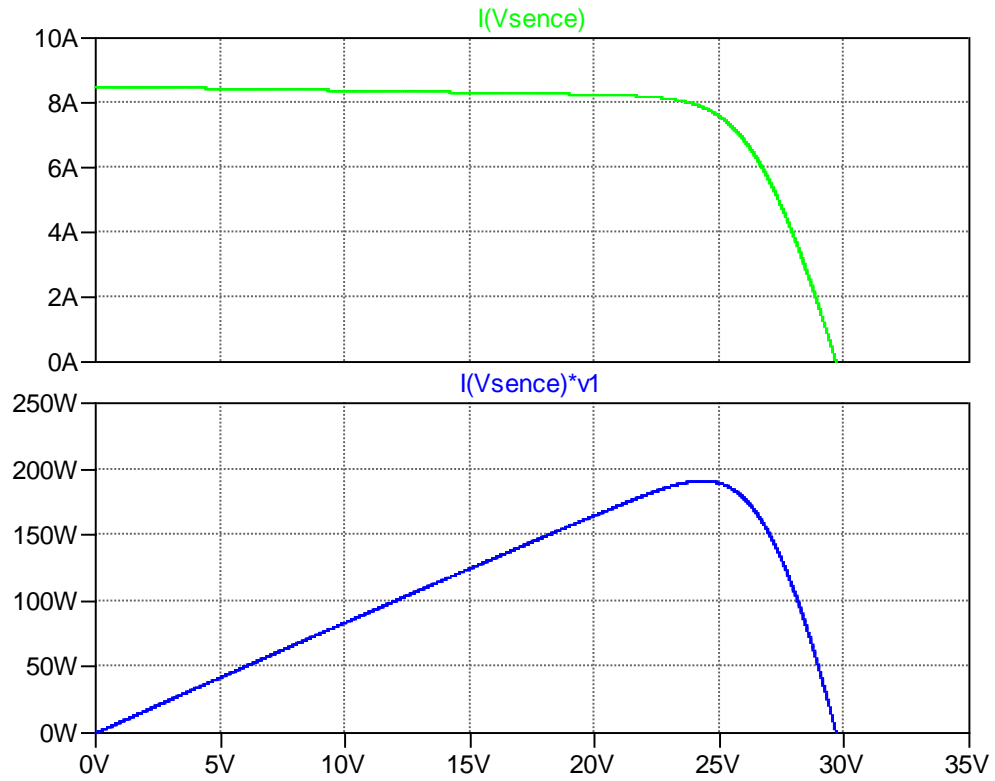
Bee Technologies Inc.

Circuit Configuration

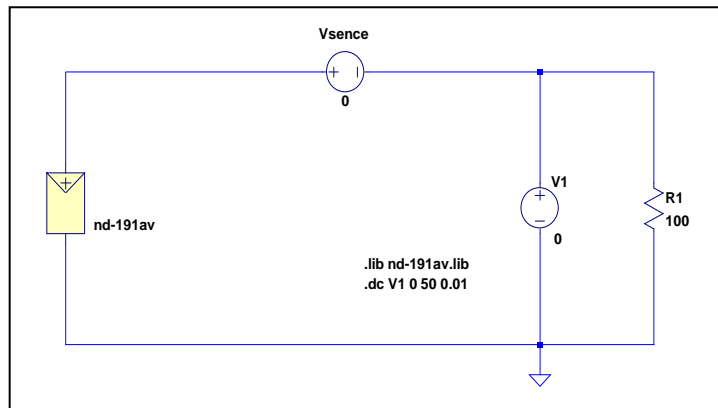


Output Characteristic

Circuit Simulation Result



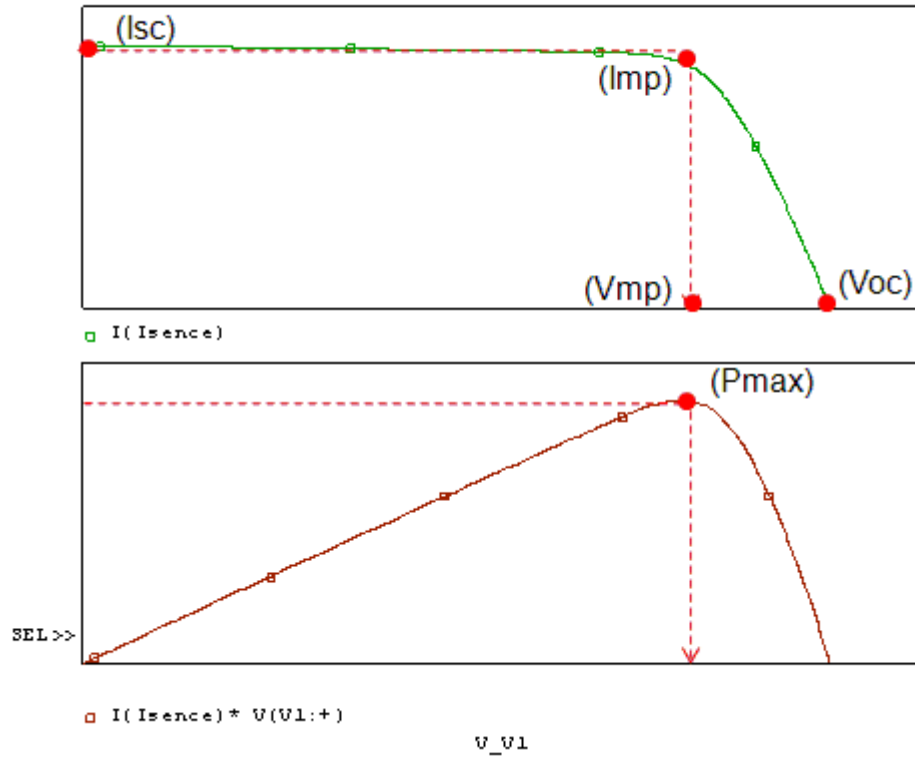
Simulation Circuit



Output Characteristic

Reference

Circuit Simulation Result



Data Table

Symbol	Measurement	Simulation	%Error
Pmax	191.0000	191.0020	0.0010
Vmp	24.3100	24.3050	-0.0206
Imp	7.8600	7.8585	-0.0191
Voc	29.7000	29.6430	-0.1919
Isc	8.5100	8.5087	-0.0153

Data Information

No. ND-191AV	
Maximum output (Pmax)	191.0000
Maximum power voltage (Vmp)	24.3100
Maximum power current (Imp)	7.8600
Open circuit voltage (Voc)	29.7000
Short circuit current (Isc)	8.5100