

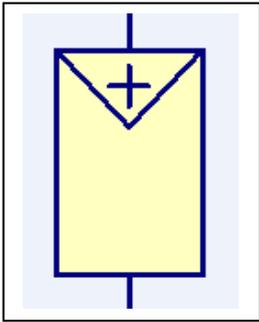
Device Modeling Report

COMPONENTS: Solar Cell
PART NUMBER: ND-160AV
MANUFACTURER: SHARP
REMARK:Pmax=160(W)
REPORT of Solar Cells (LTspice IV)



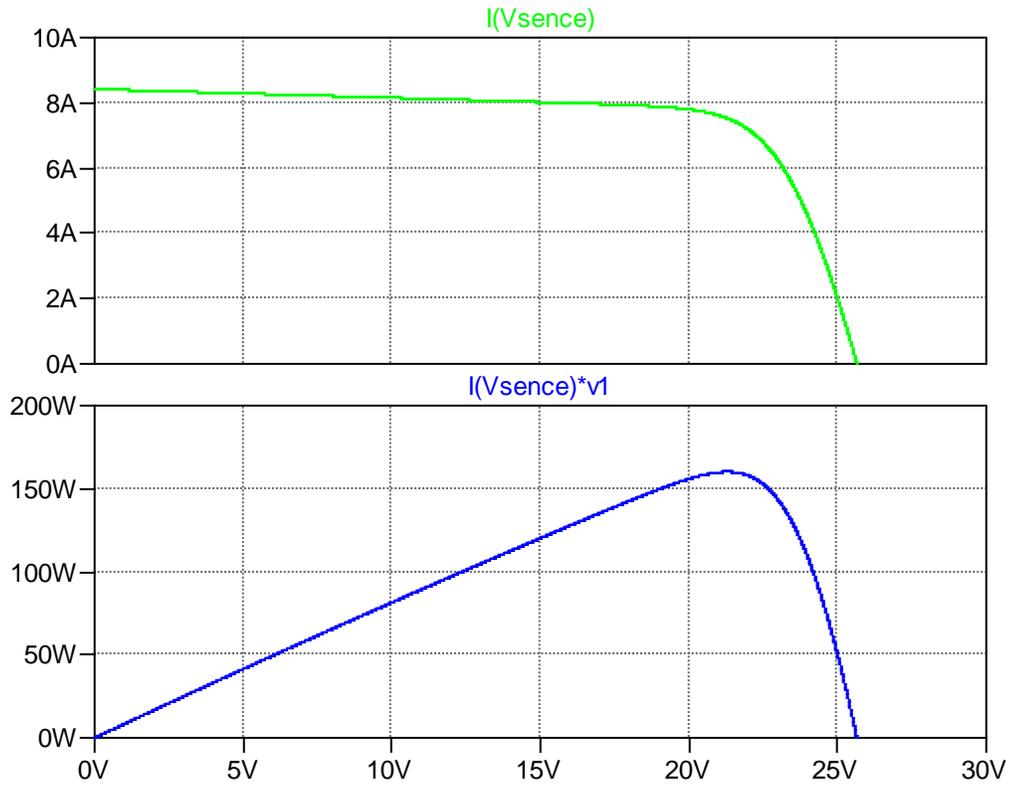
Bee Technologies Inc.

Circuit Configuration

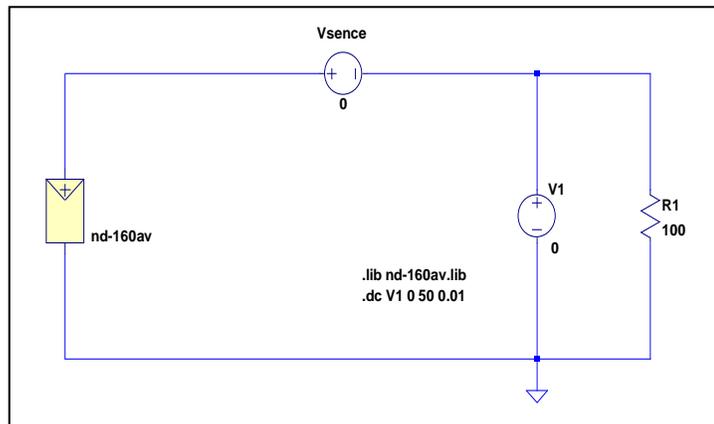


Output Characteristic

Circuit Simulation Result



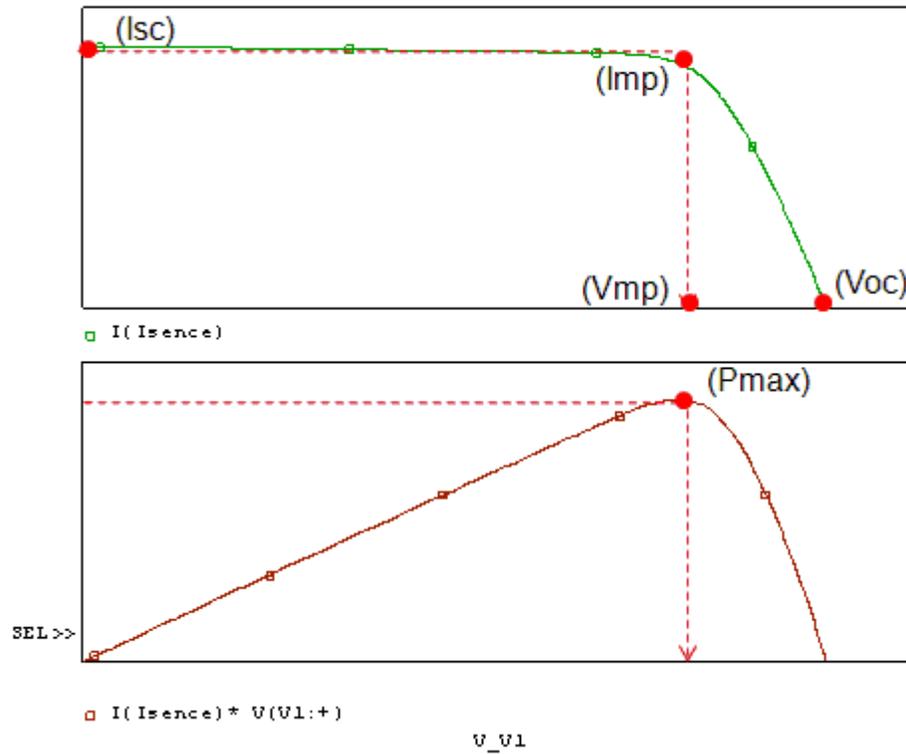
Simulation Circuit



Output Characteristic

Reference

Circuit Simulation Result



Data Table

Symbol	Measurement	Simulation	%Error
Pmax	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