

Device Modeling Report

COMPONENTS: Solar Cell
PART NUMBER: ND-153AU
MANUFACTURER: SHARP
REMARK:Pmax=153(W)
REPORT of Solar Cells (LTspice IV)



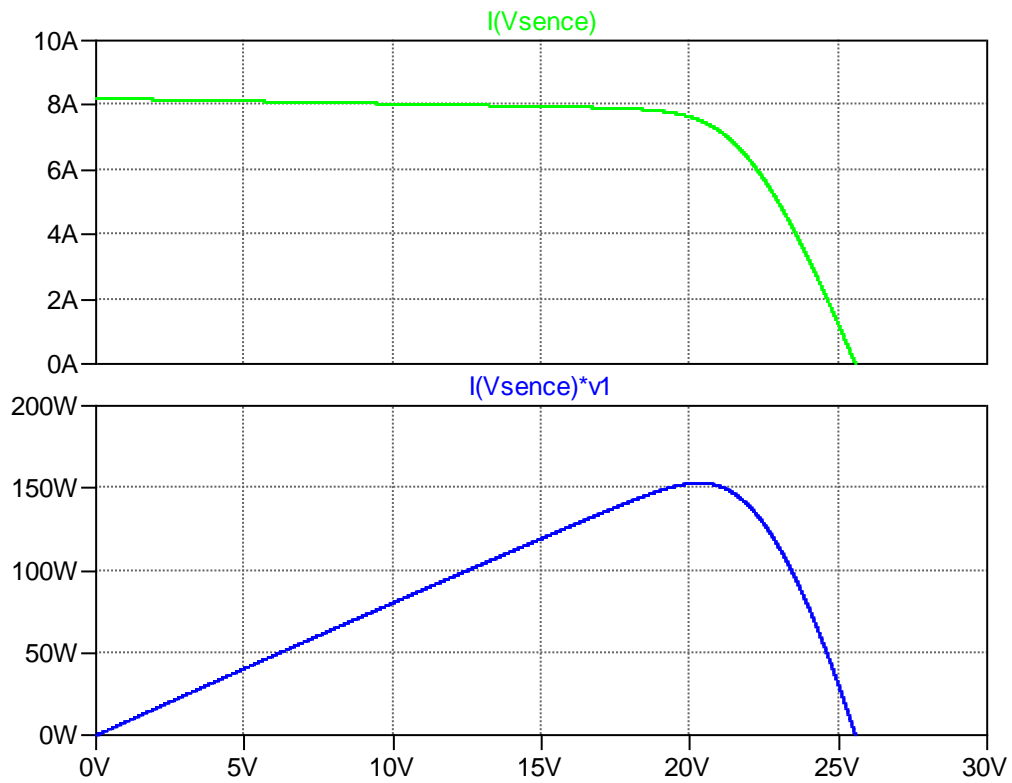
Bee Technologies Inc.

Circuit Configuration

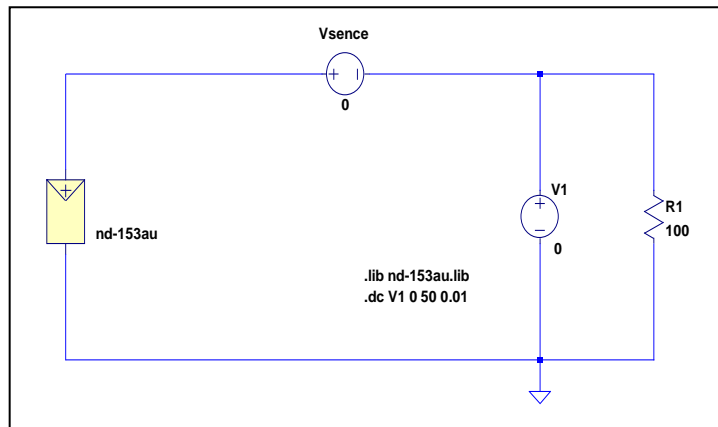


Output Characteristic

Circuit Simulation Result



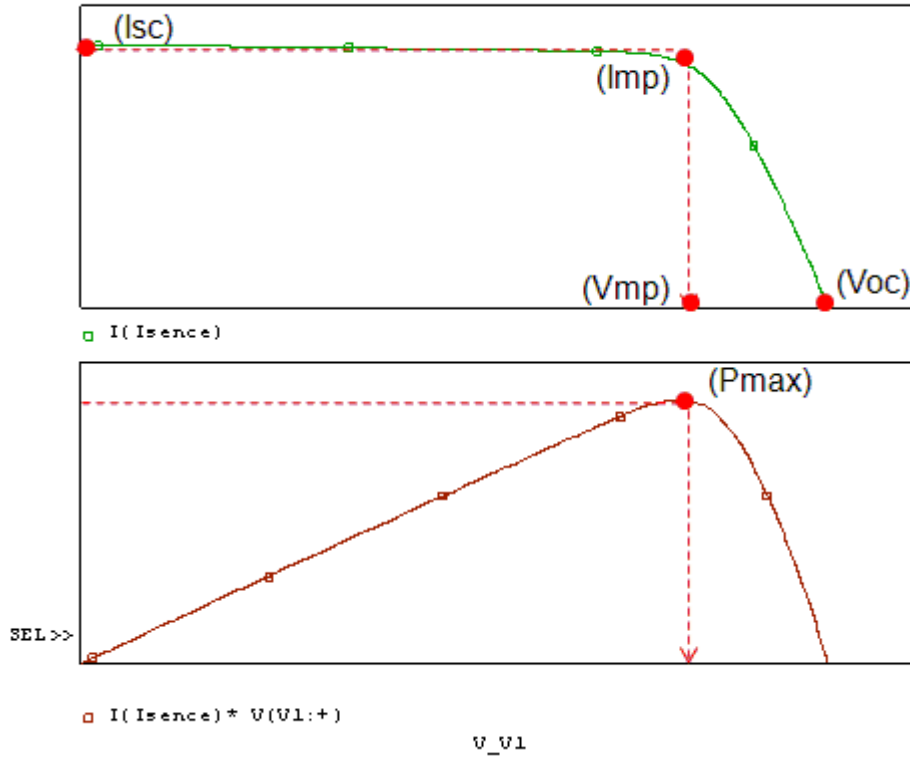
Simulation Circuit



Output Characteristic

Reference

Circuit Simulation Result



Data Table

Symbol	Measurement	Simulation	%Error
Pmax	153.0000	152.9980	-0.0013
Vmp	20.3000	20.2940	-0.0296
Imp	7.5400	7.5391	-0.0119
Voc	25.6100	25.5450	-0.2538
Isc	8.2100	8.2097	-0.0037

Data Information

No. ND-153AU	
Maximum output (Pmax)	153.0000
Maximum power voltage (Vmp)	20.3000
Maximum power current (Imp)	7.5400
Open circuit voltage (Voc)	25.6100
Short circuit current (Isc)	8.2100