

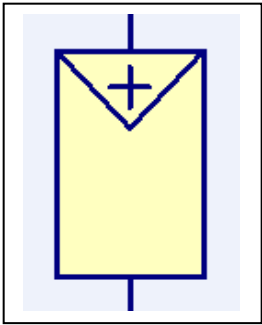
Device Modeling Report

COMPONENTS: Solar Cell
PART NUMBER: ND-142CU
MANUFACTURER: SHARP
REMARK:Pmax=142(W)
REPORT of Solar Cells (LTspice IV)



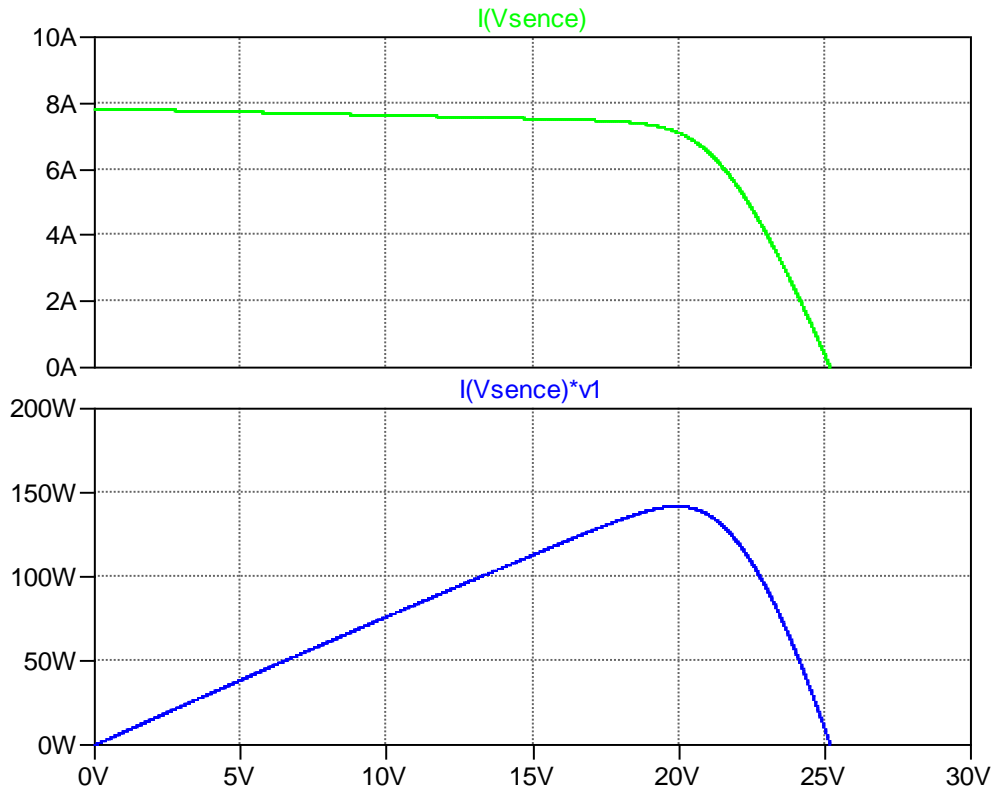
Bee Technologies Inc.

Circuit Configuration

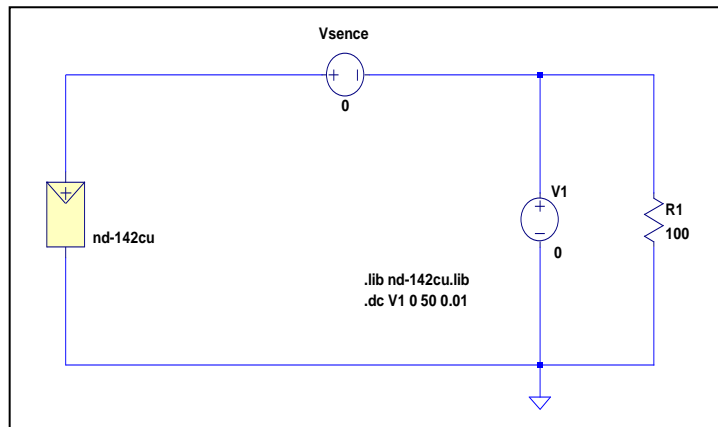


Output Characteristic

Circuit Simulation Result



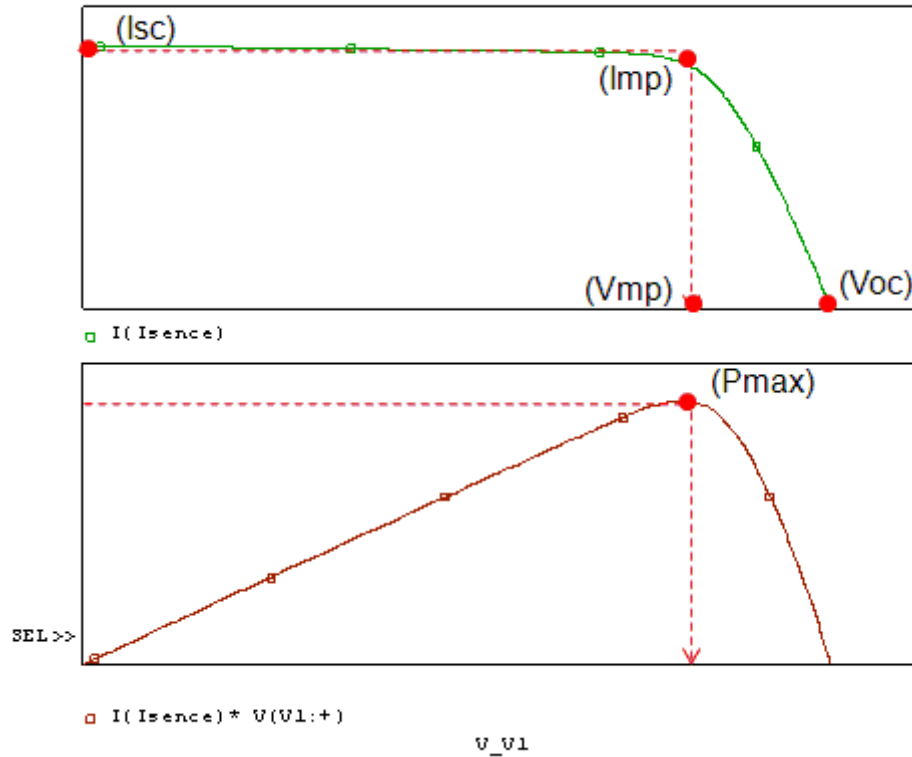
Simulation Circuit



Output Characteristic

Reference

Circuit Simulation Result



Data Table

Symbol	Measurement	Simulation	%Error
Pmax	142.0000	141.9560	-0.0310
Vmp	19.9200	19.9130	-0.0351
Imp	7.1300	7.1288	-0.0168
Voc	25.2400	25.1710	-0.2734
Isc	7.8400	7.8357	-0.0548

Data Information

No. ND-142CU	
Maximum output (Pmax)	142.0000
Maximum power voltage (Vmp)	19.9200
Maximum power current (Imp)	7.1300
Open circuit voltage (Voc)	25.2400
Short circuit current (Isc)	7.8400