

Device Modeling Report

COMPONENTS: Solar Cell
PART NUMBER: ND-S0L7H
MANUFACTURER: SHARP
REMARK: Pmax=180(W)
REPORT of SolarCells (LTspice IV)



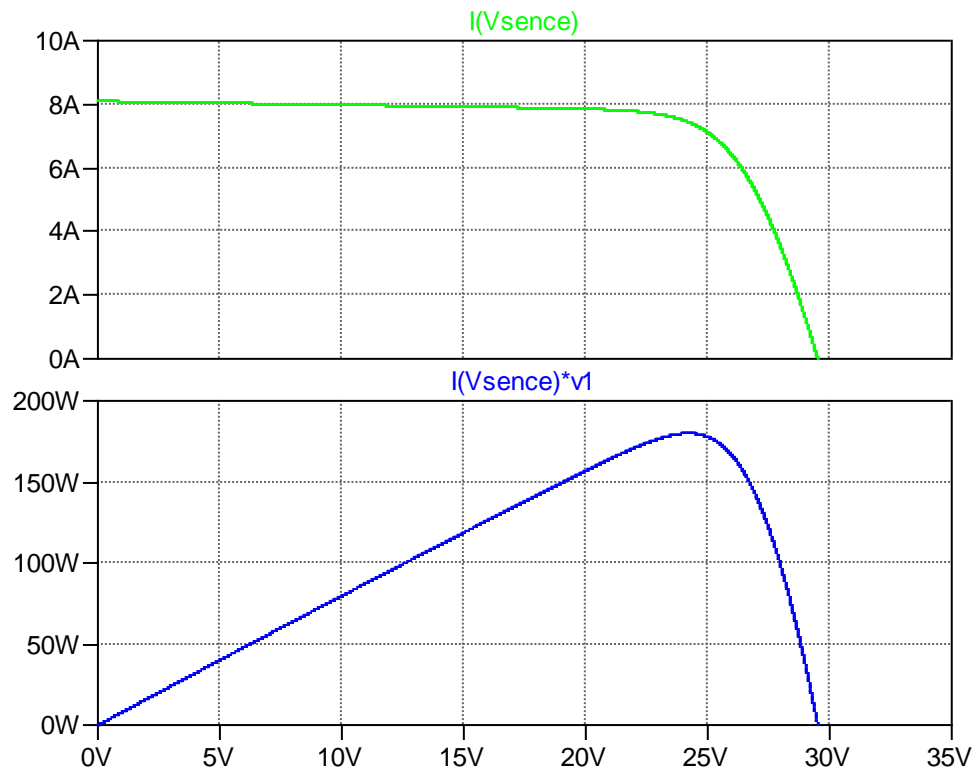
Bee Technologies Inc.

Circuit Configuration

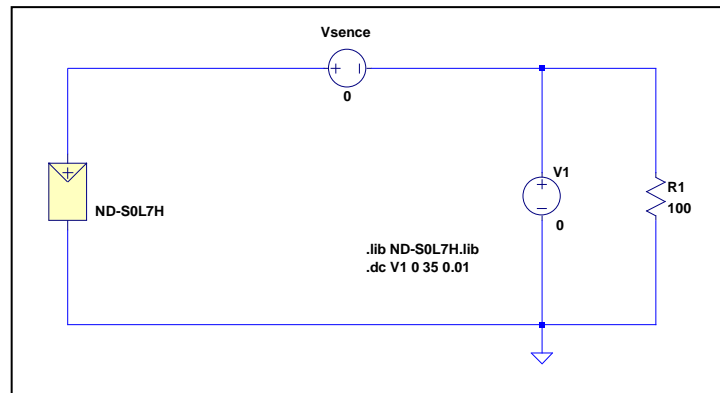


Output Characteristic

Circuit Simulation Result



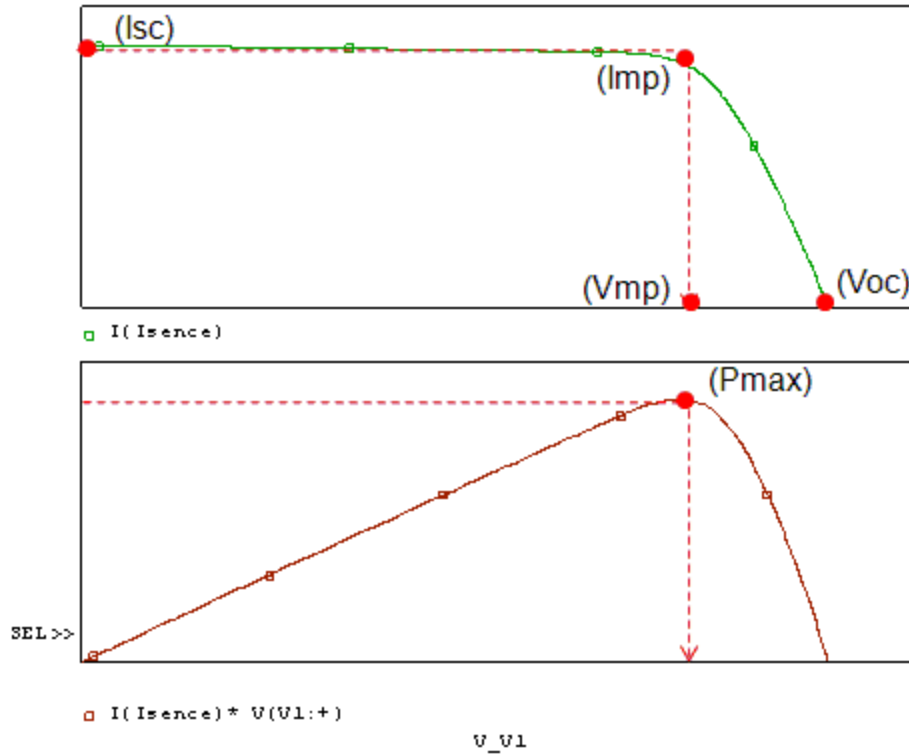
Simulation Circuit



Output Characteristic

Reference

Circuit Simulation Result



Data Table

Symbol		Measurement	Simulation	%Error
Pmax	W	180.000	179.864	-0.076
Vmp	V	24.200	24.190	-0.041
Imp	A	7.440	7.436	-0.060
Voc	V	29.500	29.486	-0.047
Isc	A	8.100	8.091	-0.111

Data Information

No. ND-S0L7H	
Maximum output (Pmax)	180W
Maximum power voltage (Vmp)	24.20V
Maximum power current (Imp)	7.44A
Open circuit voltage (Voc)	29.50V
Short circuit current (Isc)	8.10A