

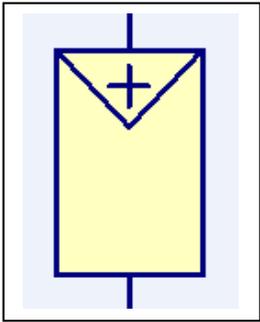
Device Modeling Report

COMPONENTS: Solar Cell
PART NUMBER: BP 3110
MUNUFACTURER: bp Solar
REMARK:Pmax=110(W)
REPORT of Solar Cells (LTspice IV)



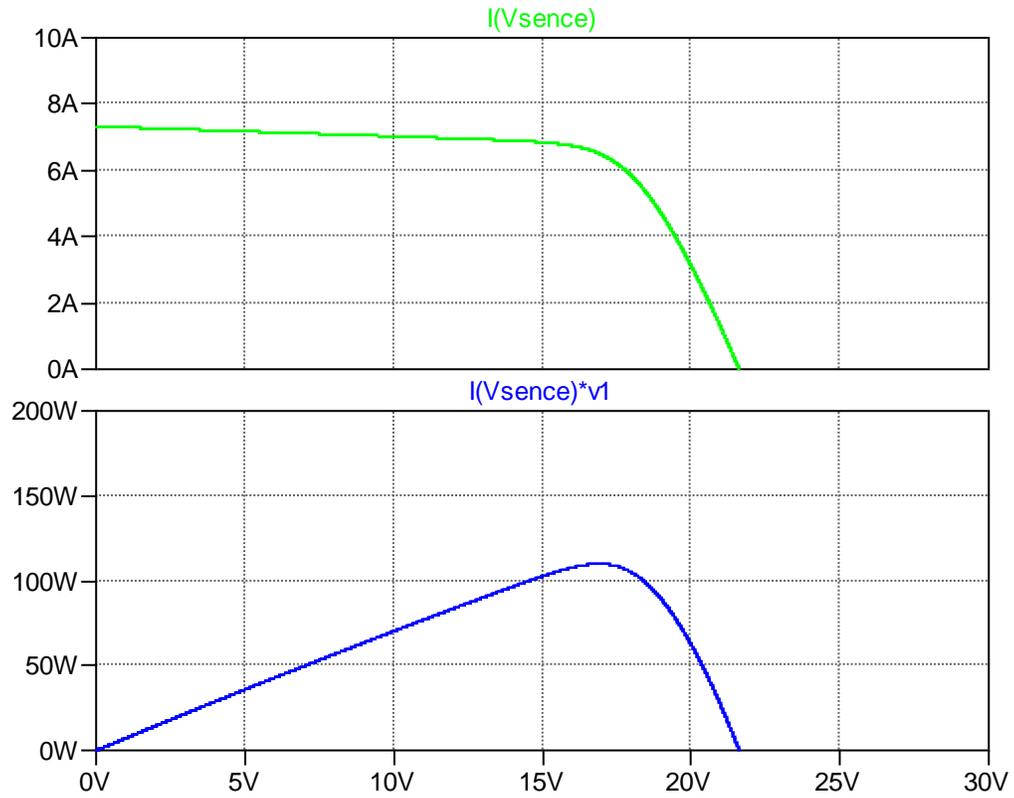
Bee Technologies Inc.

Circuit Configuration

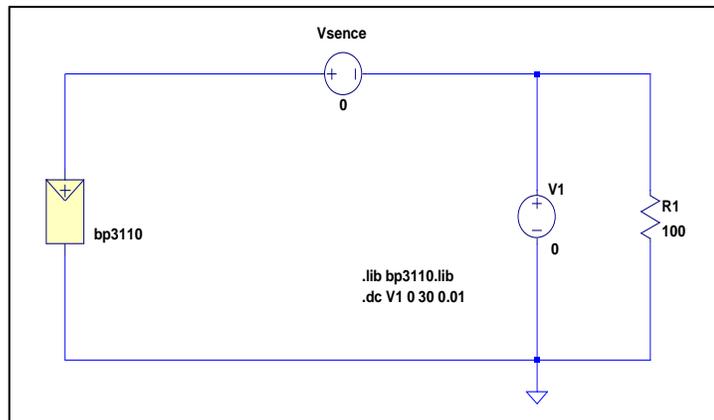


Output Characteristic

Circuit Simulation Result



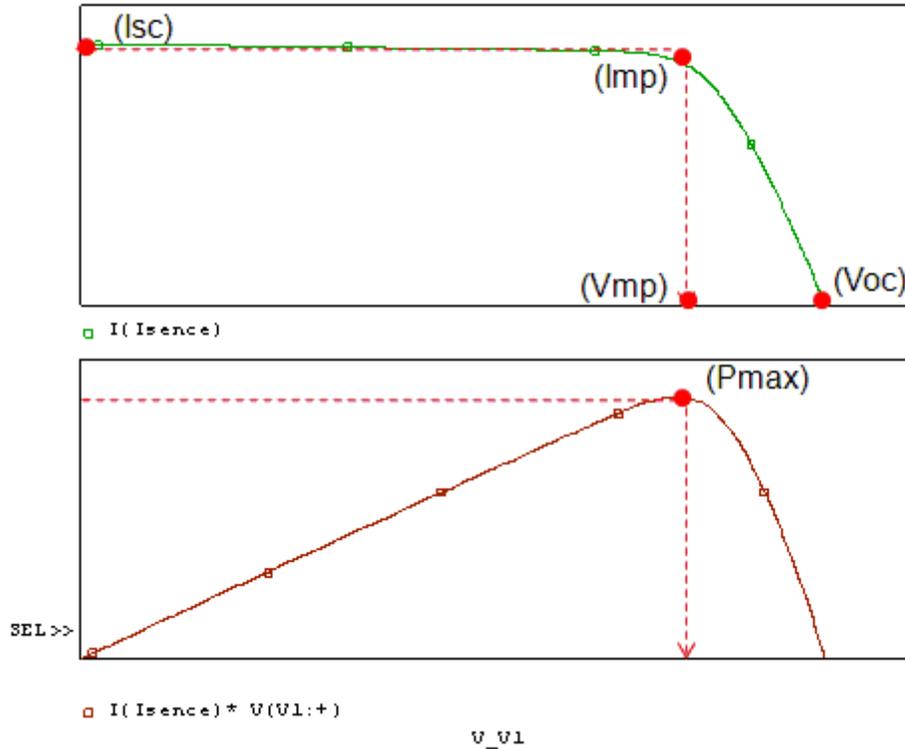
Simulation Circuit



Output Characteristic

Reference

Circuit Simulation Result



Data Table

Symbol	Measurement	Simulation	%Error
Isc	7.4000	7.3196	-1.086
Voc	21.6000	21.5950	-0.023
Imp	6.5000	6.4999	-0.002
Vmp	16.9000	16.9000	0.000
Pmax(Imp*Vmp)	109.8500	109.8480	-0.002

Data Information

No. BP 3110	
Maximum power (Pmax)³	110W
Voltage at Pmax (Vmp)	16.9V
Current at Pmax (Imp)	6.5A
Short-circuit current (Isc)	7.4A
Open-circuit voltage (Voc)	21.6V