

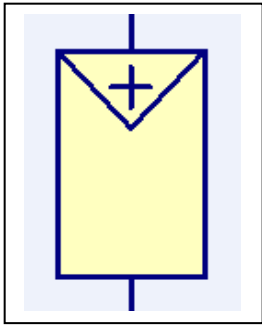
Device Modeling Report

COMPONENTS: Solar Cell
PART NUMBER: BP 4175
MUNUFACTURER: bp Solar
REMARK:Pmax=175(W)
REPORT of SolarCells (LTspice IV)



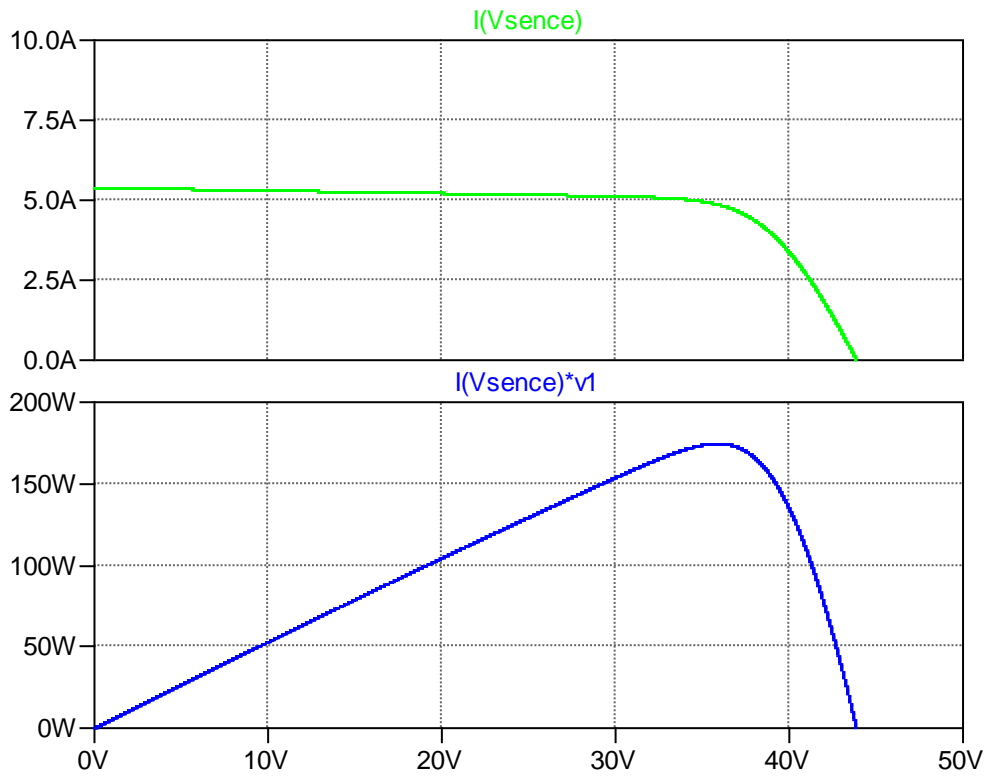
Bee Technologies Inc.

Circuit Configuration

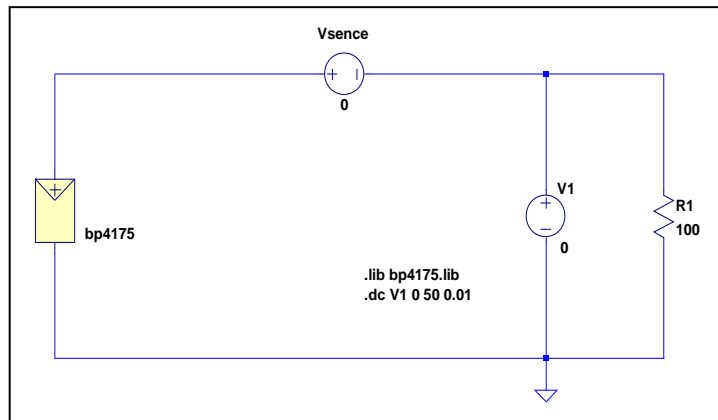


Output Characteristic

Circuit Simulation Result



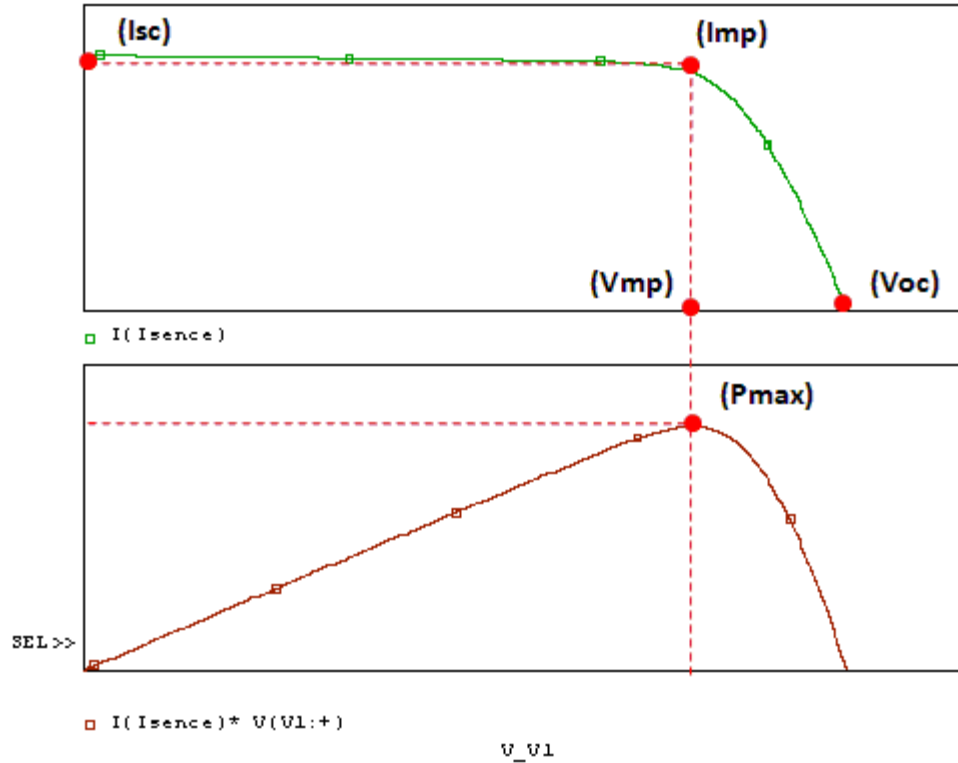
Simulation Circuit



Output Characteristic

Reference

Circuit Simulation Result



Data Table

Symbol	Measurement	Simulation	%Error
Isc	5.4000	5.3926	-0.137
Voc	44.0000	43.8450	-0.352
Imp	4.9000	4.8634	-0.747
Vmp	35.7000	35.9000	0.560
Pmax(Imp*Vmp)	174.9300	174.5960	-0.191

Data Information

No. BP 4175	
Maximum power (Pmax)³	175W
Voltage at Pmax (Vmp)	35.7V
Current at Pmax (Imp)	4.9A
Short-circuit current (Isc)	5.4A
Open-circuit voltage (Voc)	44.0V