

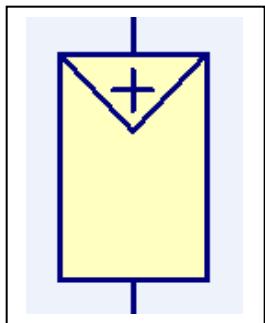
Device Modeling Report

COMPONENTS: Solar Cell
PART NUMBER: SX 3190
MANUFACTURER: bp Solar
REMARK:Pmax=190(W)
REPORT of SolarCells (LTspice IV)



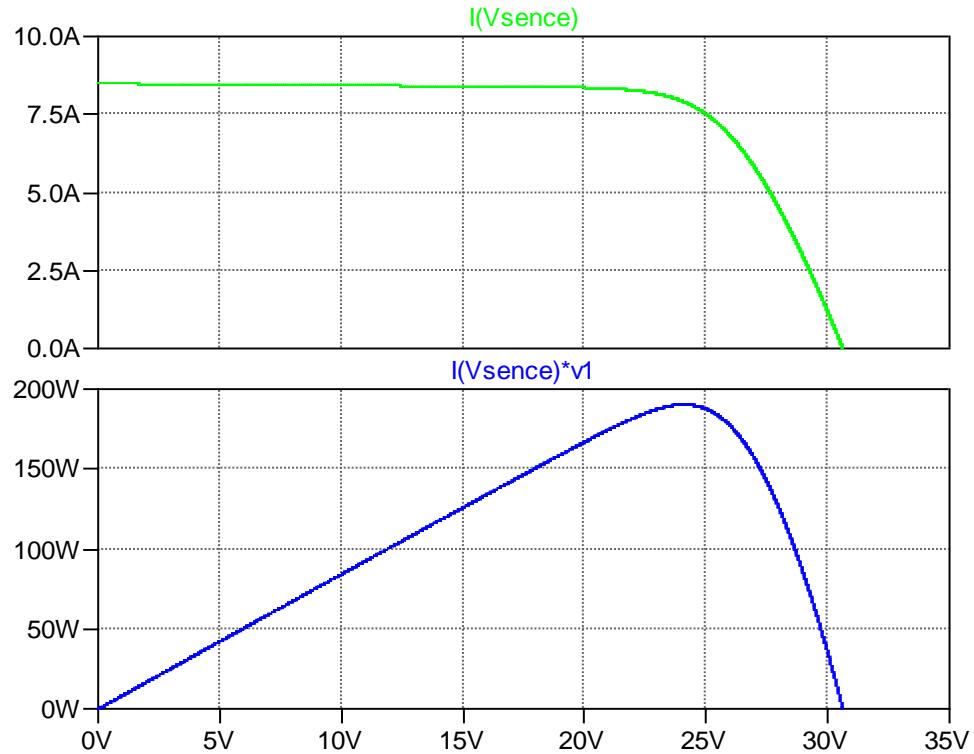
Bee Technologies Inc.

Circuit Configuration

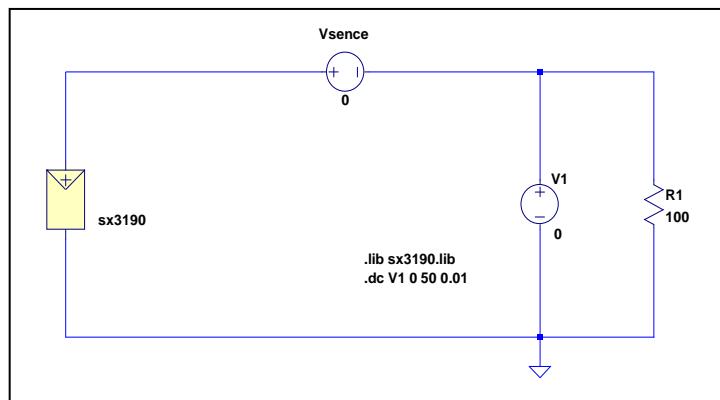


Output Characteristic

Circuit Simulation Result



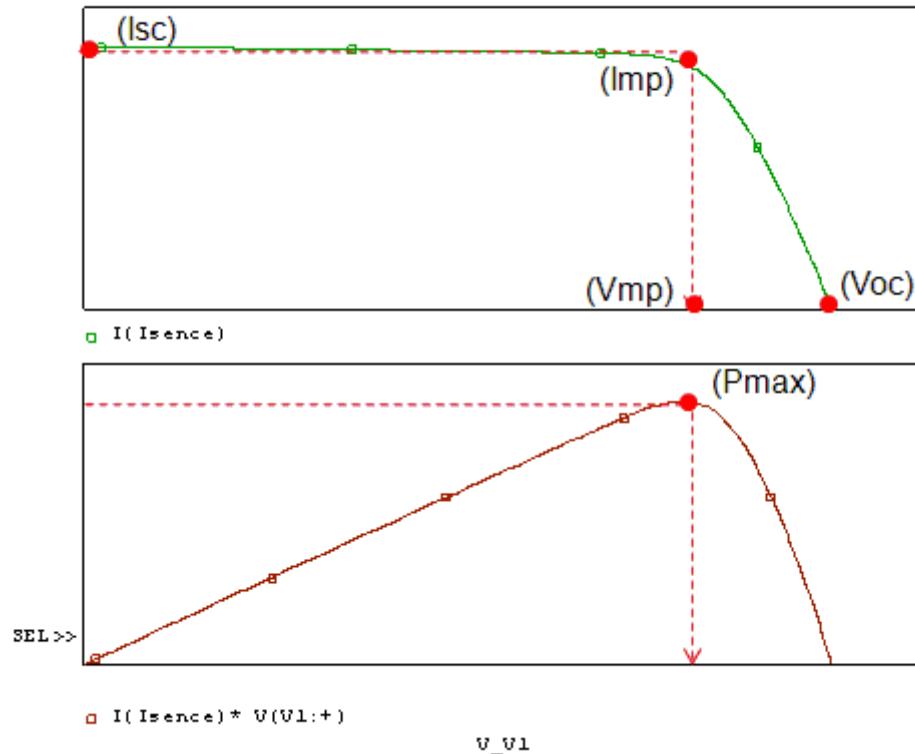
Simulation Circuit



Output Characteristic

Reference

Circuit Simulation Result



Data Table

Symbol	Measurement	Simulation	%Error
Isc	8.5000	8.4879	-0.142
Voc	30.6000	30.6000	0.000
Imp	7.8200	7.8931	0.935
Vmp	24.3000	24.1000	-0.823
Pmax($Imp * Vmp$)	190.0260	190.2240	0.104

Data Information

No. SX 3190

Maximum power (Pmax)	190W
Voltage at Pmax (Vmp)	24.3V
Current at Pmax (Imp)	7.82A
Short-circuit current (Isc)	8.5A
Open-circuit voltage (Voc)	30.6V