

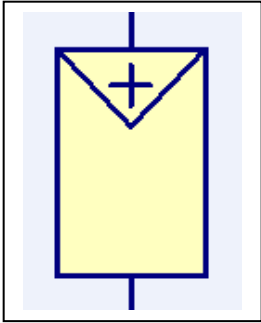
Device Modeling Report

COMPONENTS: Solar Cell
PART NUMBER: SX 330
MANUFACTURER: bp Solar
REMARK: Rated power (Pmax) 30W
REPORT: SolarCells (LTspice IV)



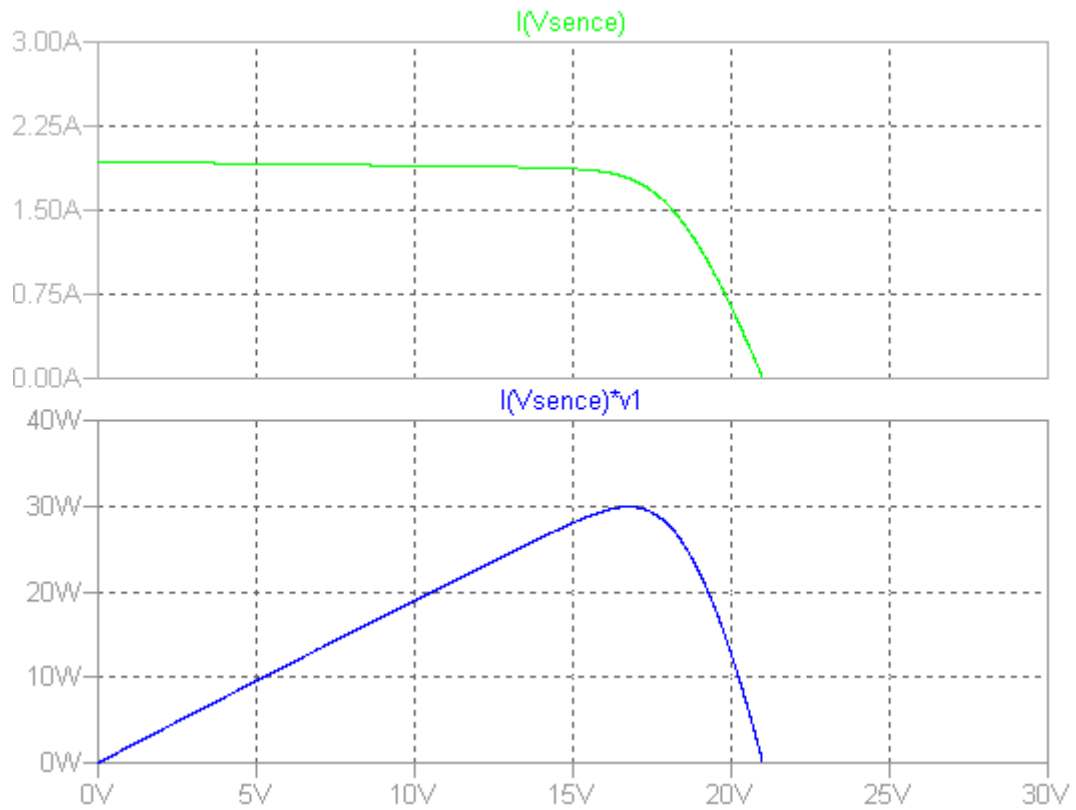
Bee Technologies Inc.

Circuit Configuration

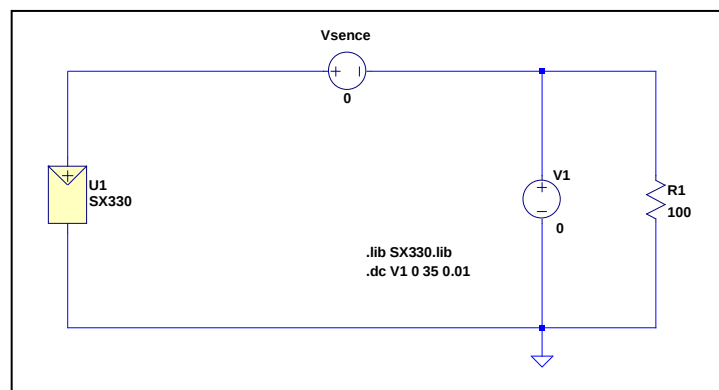


Output Characteristic

Circuit Simulation Result



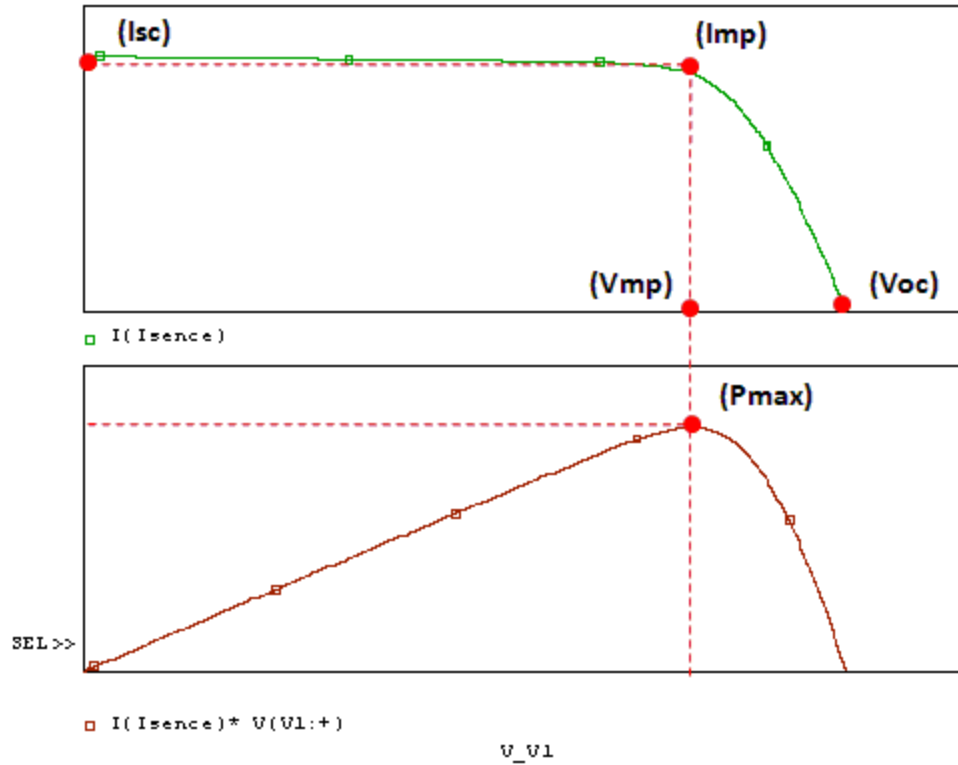
Simulation Circuit



Output Characteristic

Reference

Circuit Simulation Result



Data Table

Symbol	Measurement	Simulation	%Error
Isc	1.9400	1.9330	-0.361
Voc	21.0000	20.9960	-0.019
Imp	1.7800	1.7798	-0.011
Vmp	16.8000	16.8000	0.000
Pmax(Imp*Vmp)	29.9040	29.9000	-0.013

Data Information

No. SX 330	
Maximum power (Pmax)³	30.0W
Voltage at Pmax (Vmp)	16.8V
Current at Pmax (Imp)	1.78A
Short-circuit current (Isc)	1.94A
Open-circuit voltage (Voc)	21.0V