

Device Modeling Report

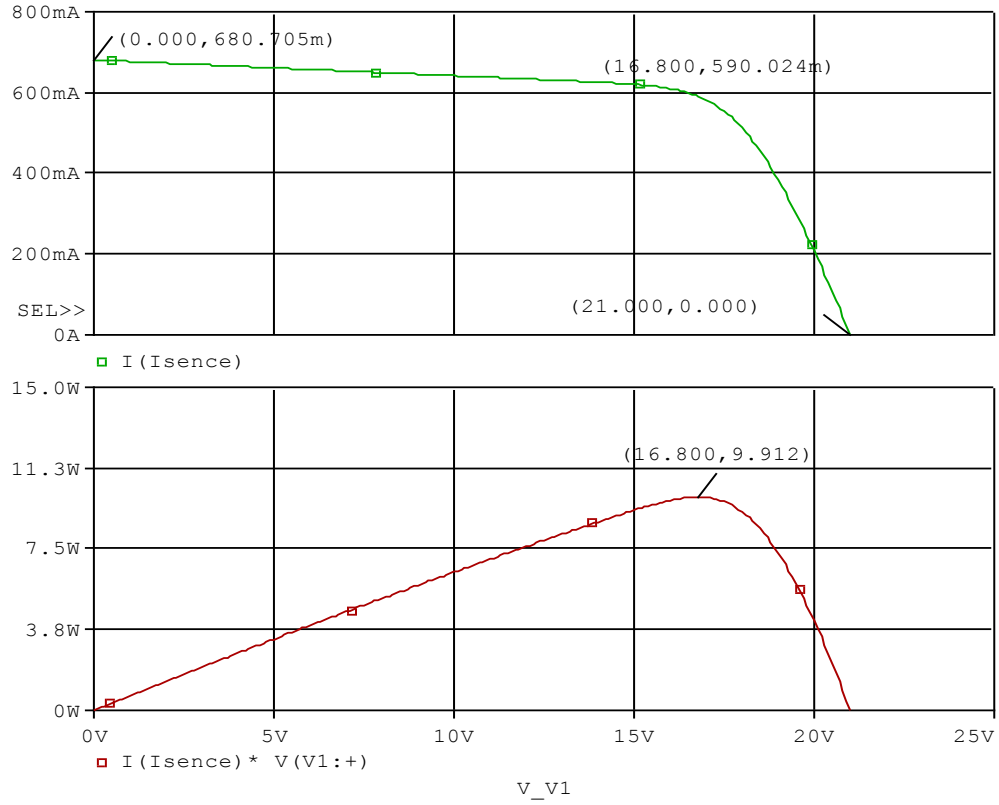
COMPONENTS: Solar Cell
PART NUMBER: SX 310
MUNUFACTURER: bp Solar
REMARK: Rated power (Pmax) 10W



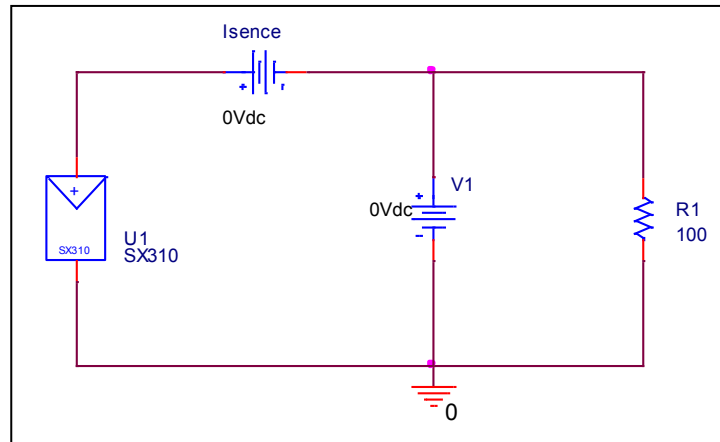
Bee Technologies Inc.

Output Characteristic

Circuit Simulation Result



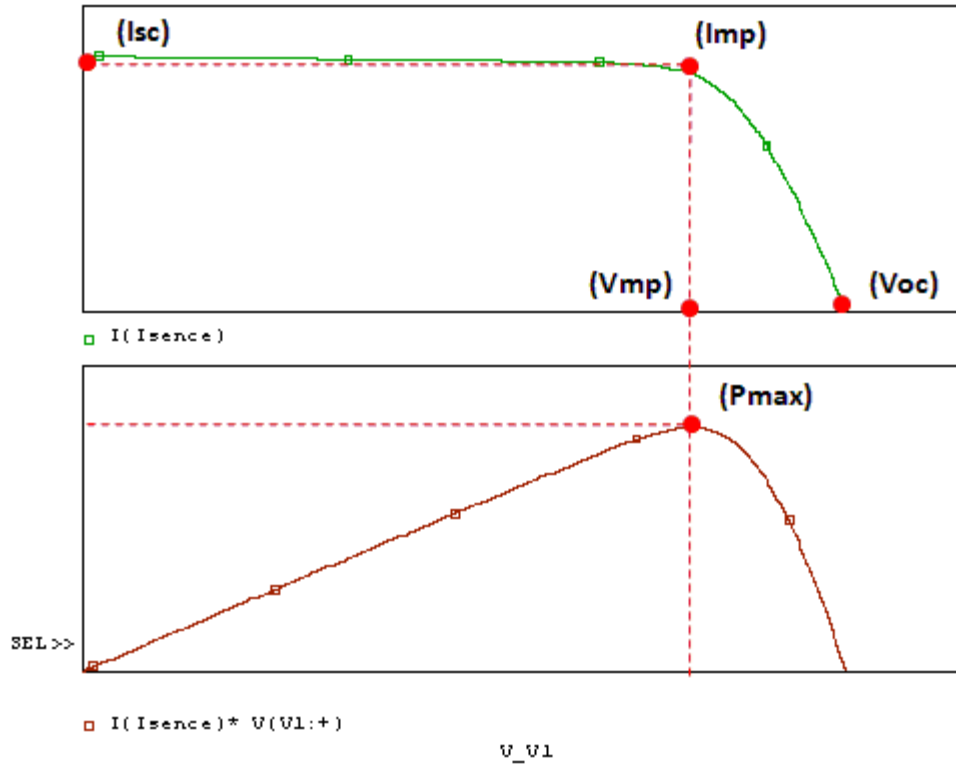
Simulation Circuit



Output Characteristic

Reference

Circuit Simulation Result



Data Table

Symbol	Measurement	Simulation	%Error
Isc	0.6900	0.6871	-0.428
Voc	21.0000	21.0000	0.000
Imp	0.5900	0.5902	0.041
Vmp	16.8000	16.8000	0.000
Pmax(Imp*Vmp)	9.9120	9.9120	0.000

Data Information

No. SX 310	
Maximum power (Pmax)³	10.0W
Voltage at Pmax (Vmp)	16.8V
Current at Pmax (Imp)	0.59A
Short-circuit current (Isc)	0.69A
Open-circuit voltage (Voc)	21.0V