

Device Modeling Report

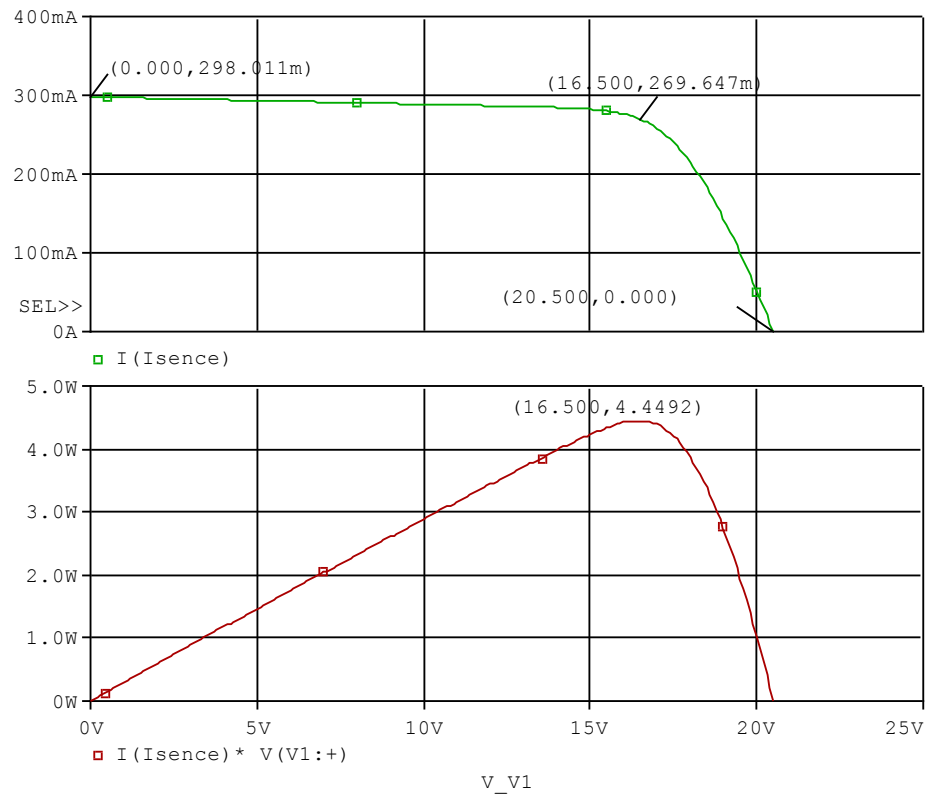
COMPONENTS: Solar Cell
PART NUMBER: SX 305
MUNUFACTURER: bp Solar
REMARK: Rated power (Pmax) 5W



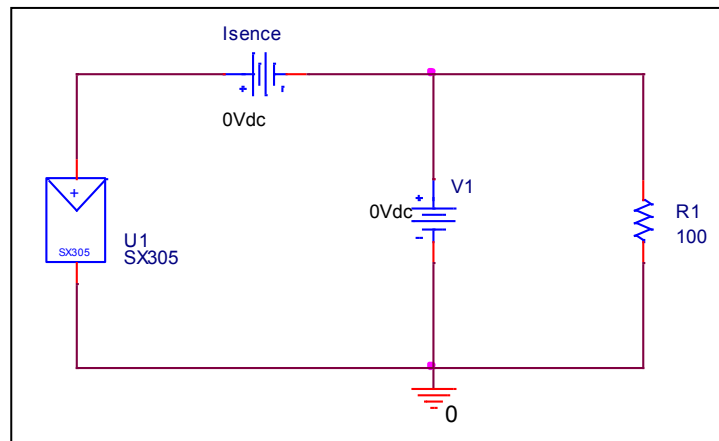
Bee Technologies Inc.

Output Characteristic

Circuit Simulation Result



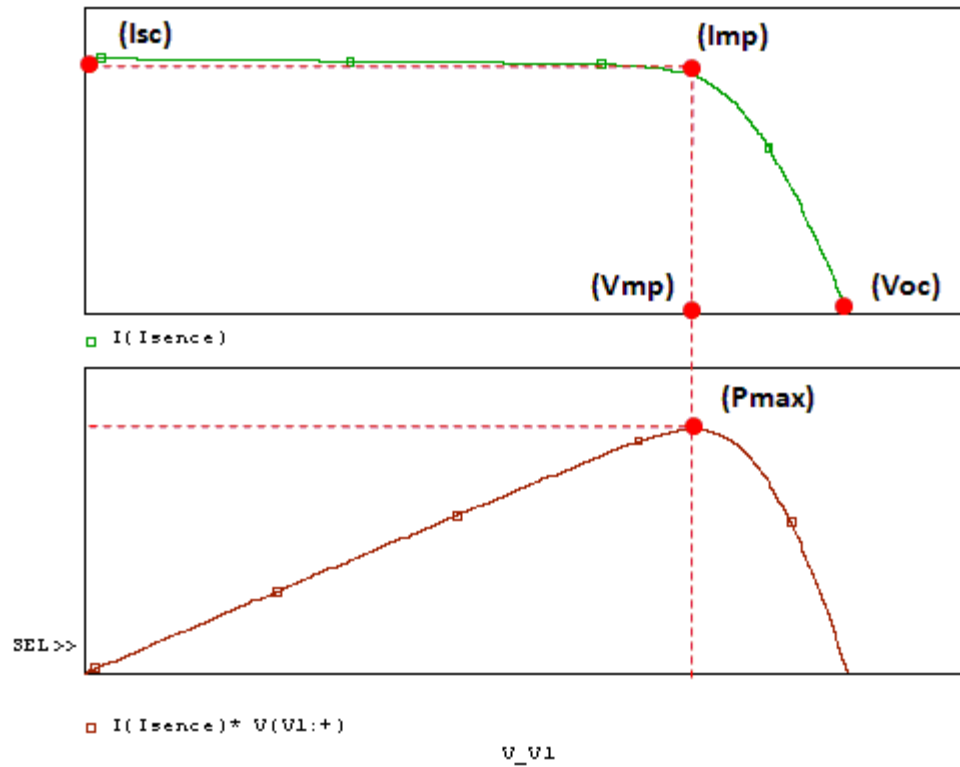
Simulation Circuit



Output Characteristic

Reference

Circuit Simulation Result



Data Table

Symbol	Measurement	Simulation	%Error
Isc	0.3000	0.2980	-0.663
Voc	20.5000	20.5000	0.000
Imp	0.2700	0.2696	-0.131
Vmp	16.5000	16.5000	0.000
Pmax(Imp*Vmp)	4.4550	4.4492	-0.130

Data Information

No. SX 305	
Maximum power (Pmax)³	5.0W
Voltage at Pmax (Vmp)	16.5V
Current at Pmax (Imp)	0.27A
Short-circuit current (Isc)	0.3A
Open-circuit voltage (Voc)	20.5V