

Device Modeling Report

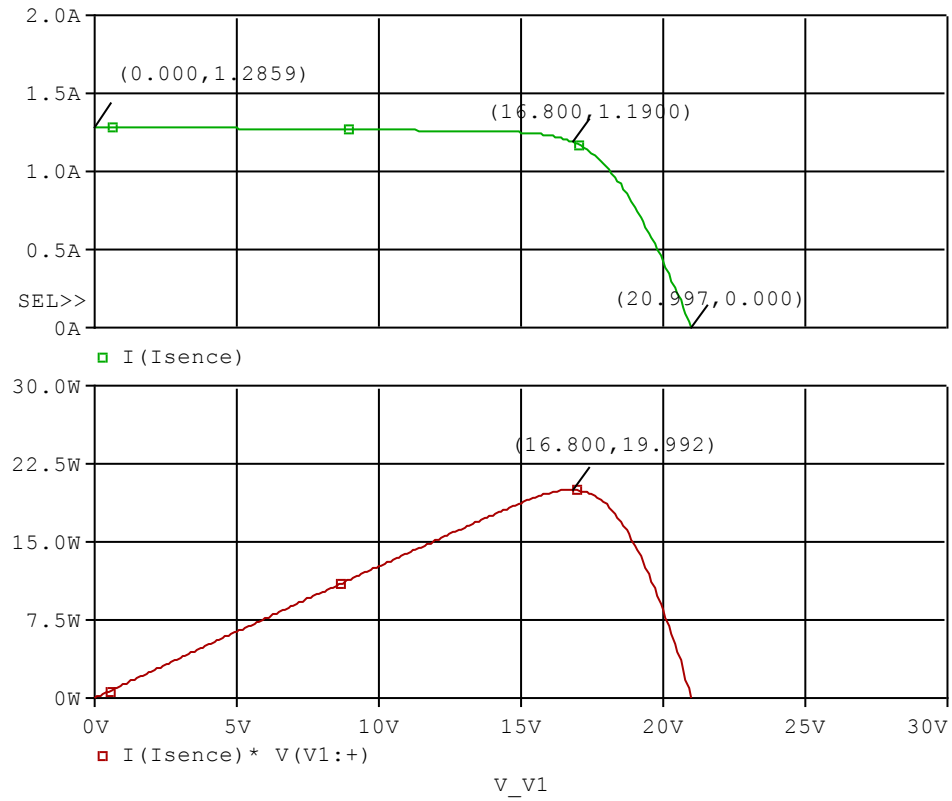
COMPONENTS: Solar Cell
PART NUMBER: SX 320
MUNUFACTURER: bp Solar
REMARK: Rated power (Pmax) 20W



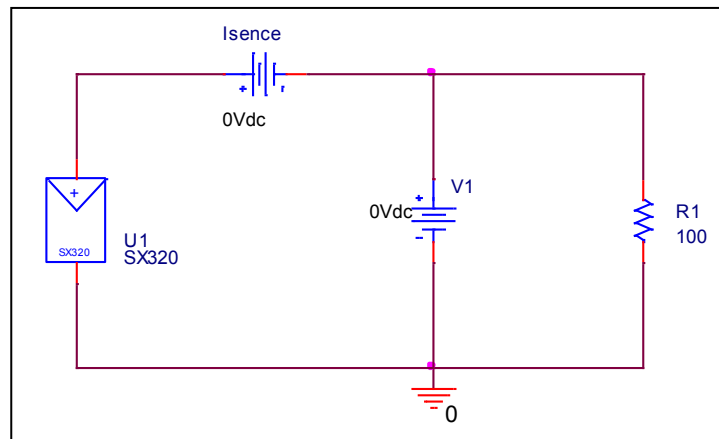
Bee Technologies Inc.

Output Characteristic

Circuit Simulation Result



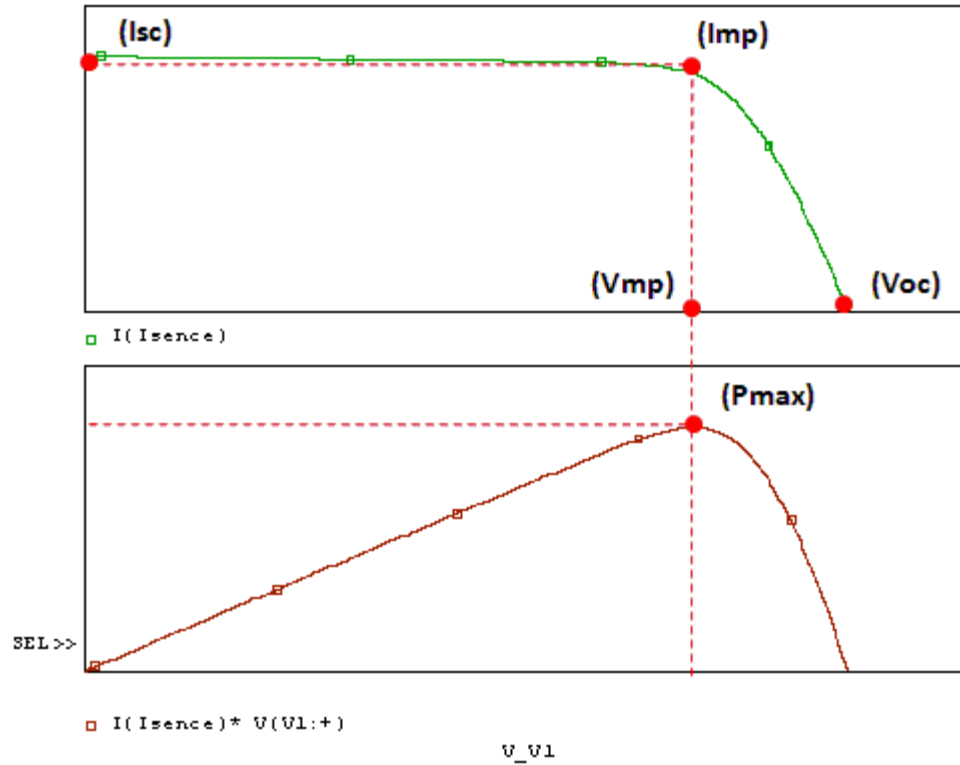
Simulation Circuit



Output Characteristic

Reference

Circuit Simulation Result



Data Table

Symbol	Measurement	Simulation	%Error
Isc	1.2900	1.2859	-0.318
Voc	21.0000	20.9970	-0.014
Imp	1.1900	1.1900	0.000
Vmp	16.8000	16.8000	0.000
Pmax(Imp*Vmp)	19.9920	19.9920	0.000

Data Information

No. SX 320	
Maximum power (Pmax)³	20.0W
Voltage at Pmax (Vmp)	16.8V
Current at Pmax (Imp)	1.19A
Short-circuit current (Isc)	1.29A
Open-circuit voltage (Voc)	21.0V