

Device Modeling Report

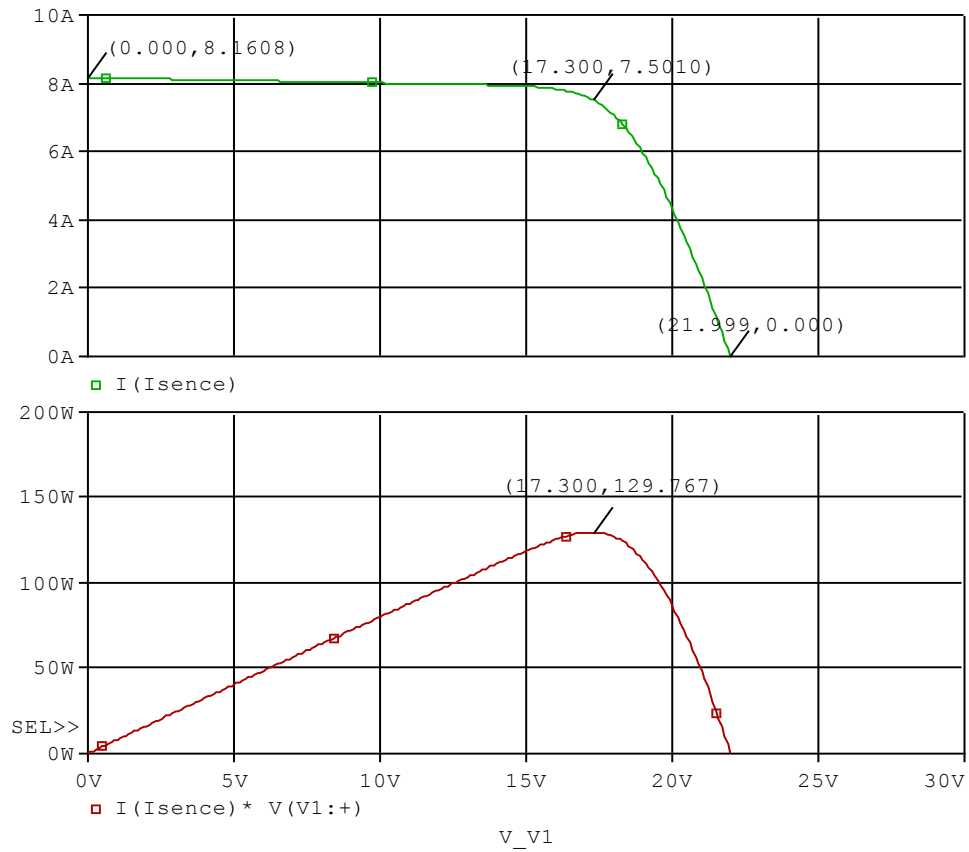
COMPONENTS: Solar Cell
PART NUMBER: SX 3130
MANUFACTURER: bp Solar
REMARK Rated power (Pmax) 130W



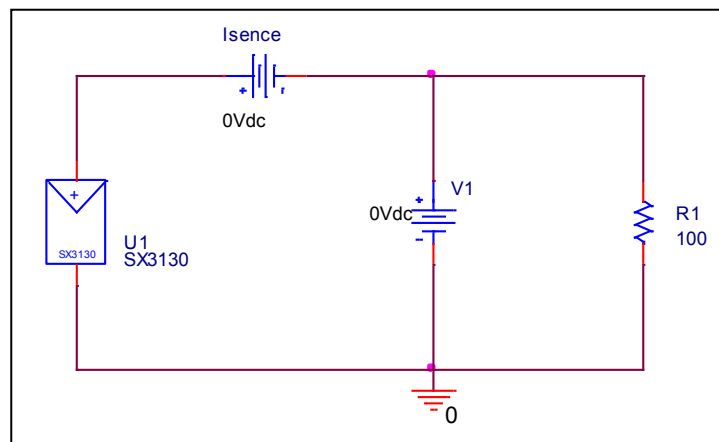
Bee Technologies Inc.

Output Characteristic

Circuit Simulation Result



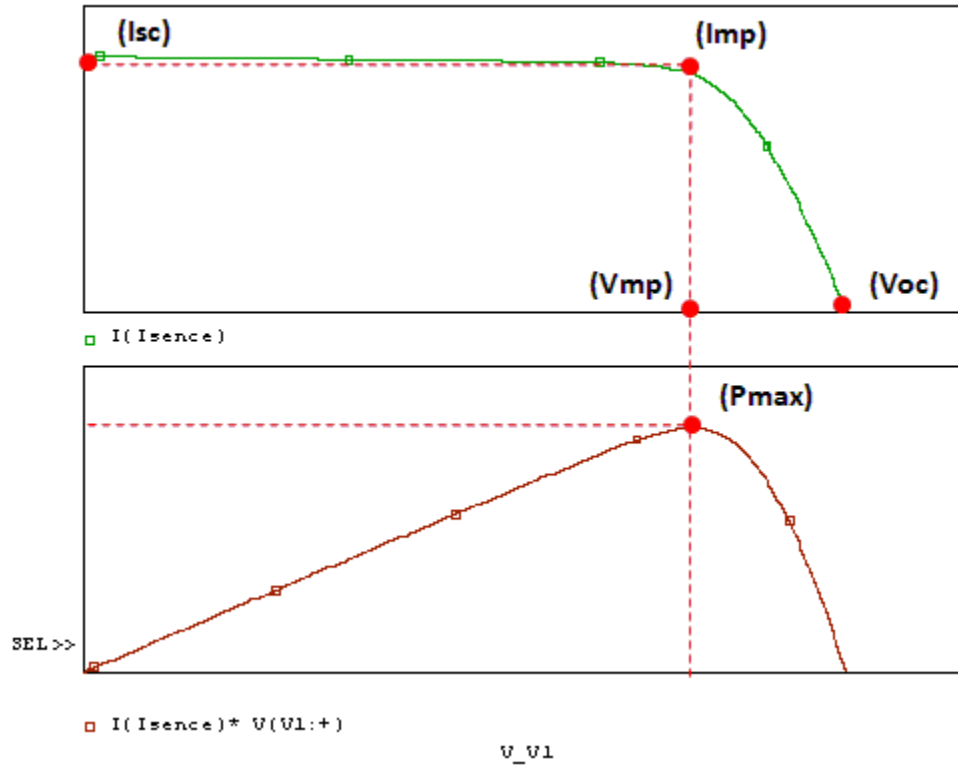
Simulation Circuit



Output Characteristic

Reference

Circuit Simulation Result



Data Table

Symbol	Measurement	Simulation	%Error
Isc	8.2000	8.1610	-0.476
Voc	22.0000	21.9990	-0.005
Imp	7.5000	7.5010	0.013
Vmp	17.3000	17.3000	0.000
Pmax(Imp*Vmp)	129.7500	129.7670	0.013

Data Information

No. SX 3130	
Maximum power (Pmax)³	130W
Voltage at Pmax (Vmp)	17.3V
Current at Pmax (Imp)	7.5A
Short-circuit current (Isc)	8.2A
Open-circuit voltage (Voc)	22.0V