

Device Modeling Report

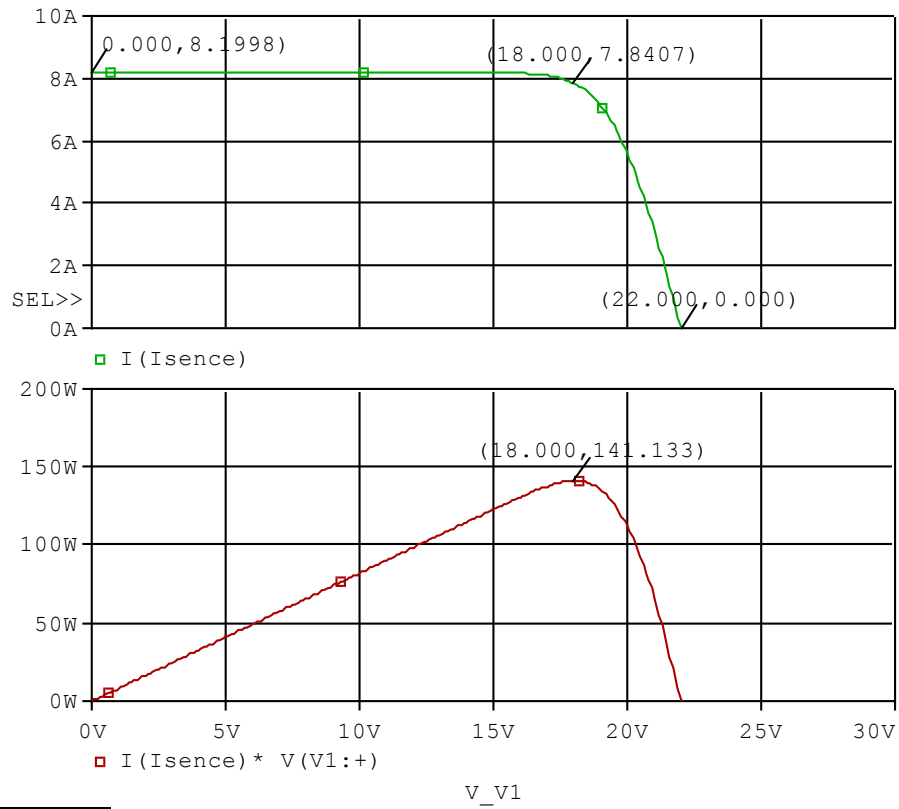
COMPONENTS: Solar Cell
PART NUMBER: SX 3140
MANUFACTURER: bp Solar
REMARK: Rated power (Pmax) 140W



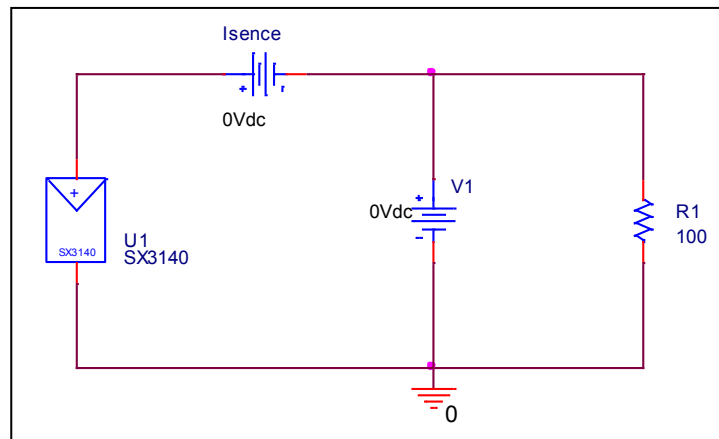
Bee Technologies Inc.

Output Characteristic

Circuit Simulation Result



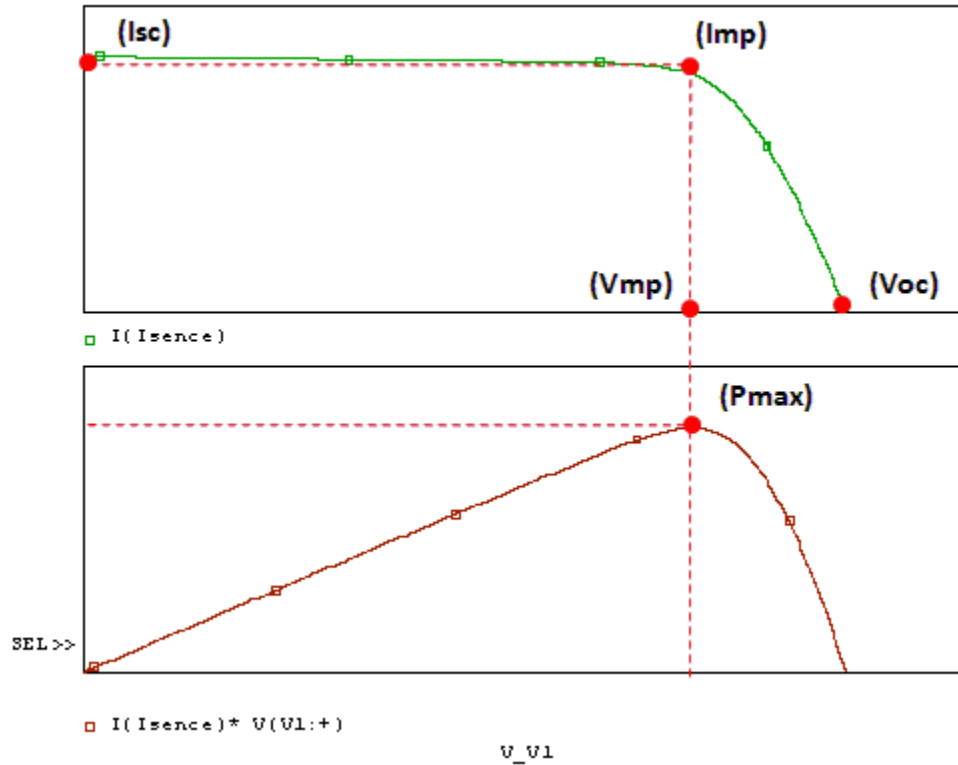
Simulation Circuit



Output Characteristic

Reference

Circuit Simulation Result



Data Table

Symbol	Measurement	Simulation	%Error
Isc	8.2000	8.1998	-0.002
Voc	22.0000	22.0000	0.000
Imp	8.0000	7.8407	-1.991
Vmp	17.5000	18.0000	2.857
Pmax(Imp*Vmp)	140.0000	141.1330	0.809

Data Information

No. SX 3140	
Maximum power (Pmax)³	140W
Voltage at Pmax (Vmp)	17.5V
Current at Pmax (Imp)	8.0A
Short-circuit current (Isc)	8.2A
Open-circuit voltage (Voc)	22.0V