

Device Modeling Report

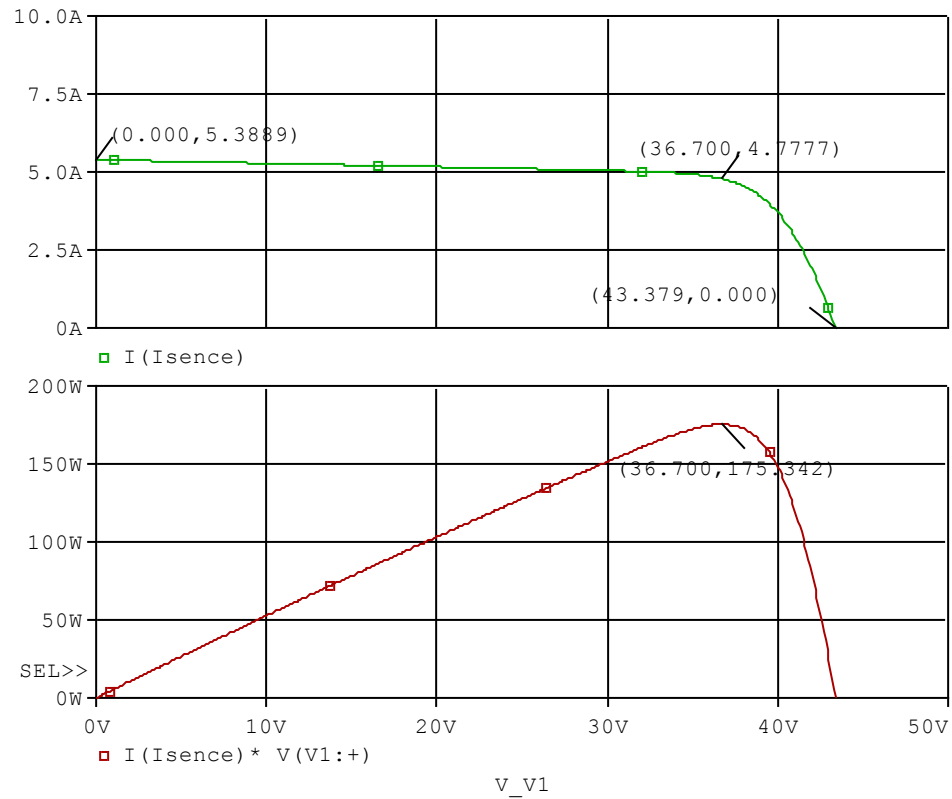
COMPONENTS: Solar Cell
PART NUMBER: BP 175B
MANUFACTURER: bp Solar
REMARK: Rated power (Pmax) 175W



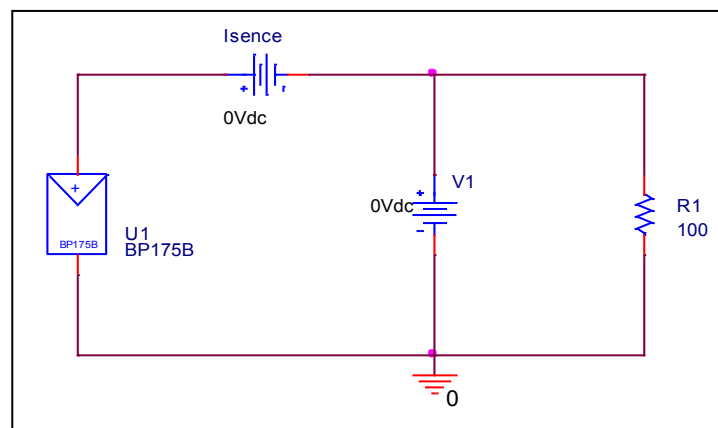
Bee Technologies Inc.

Output Characteristic

Circuit Simulation Result



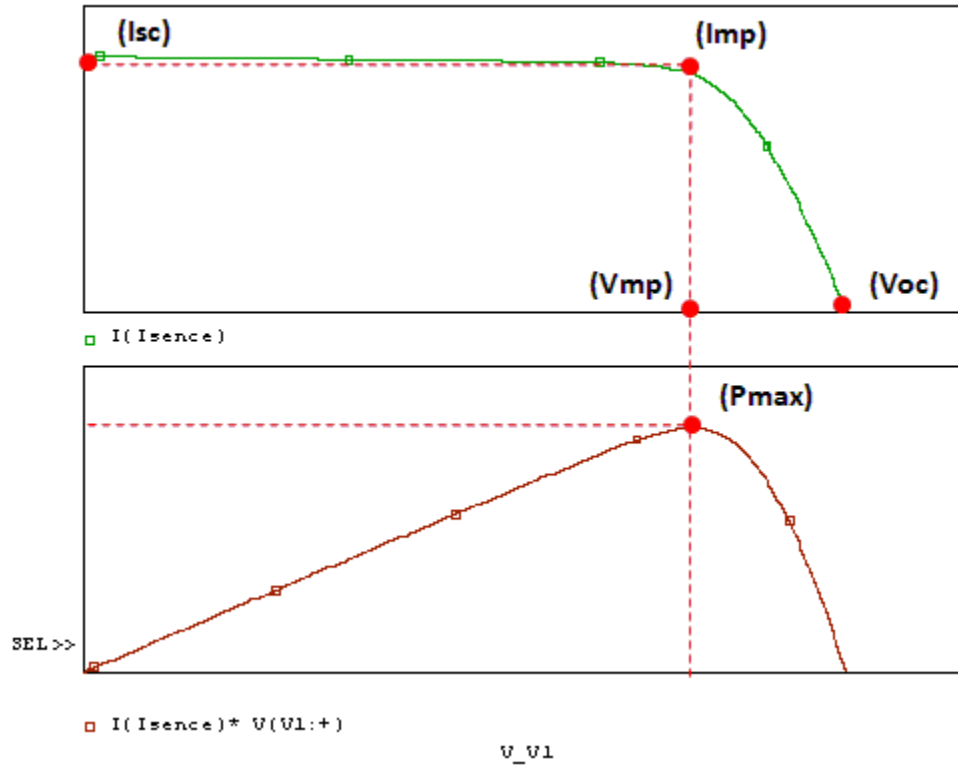
Simulation Circuit



Output Characteristic

Reference

Circuit Simulation Result



Data Table

Symbol	Measurement	Simulation	%Error
Isc	5.4000	5.3889	-0.206
Voc	44.2000	43.3790	-1.857
Imp	4.9000	4.7777	-2.496
Vmp	35.8000	36.7000	2.514
Pmax(Imp*Vmp)	175.4200	175.3420	-0.044

Data Information

No. BP 175B	
Maximum power (Pmax)³	175W
Voltage at Pmax (Vmp)	35.8V
Current at Pmax (Imp)	4.9A
Short-circuit current (Isc)	5.4A
Open-circuit voltage (Voc)	44.2V