

Device Modeling Report

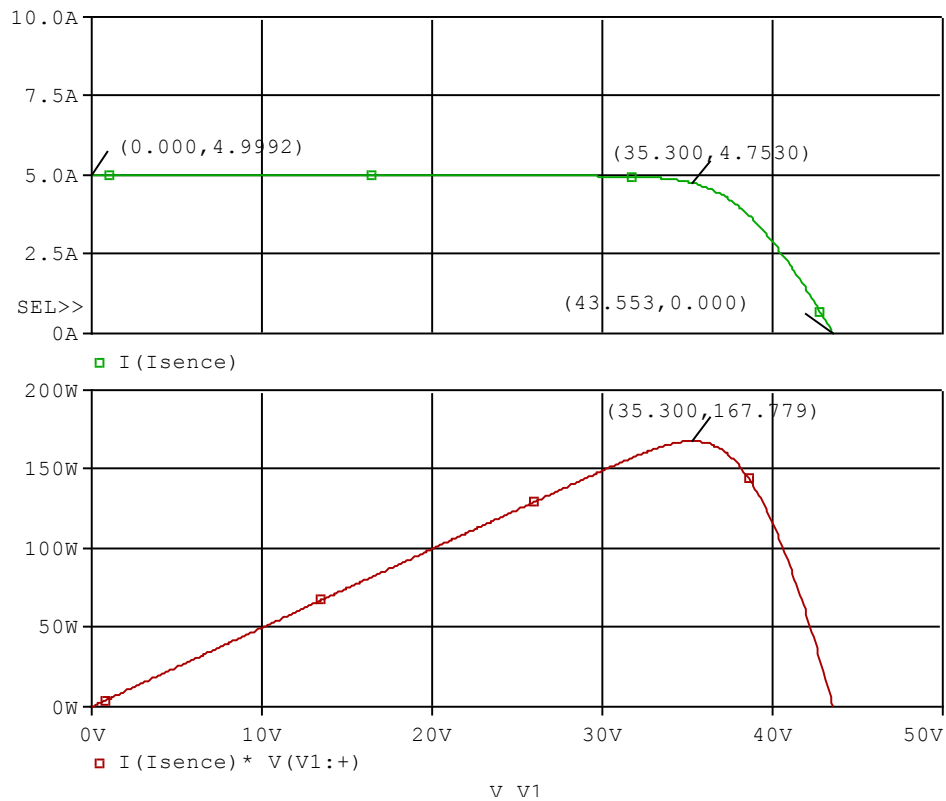
COMPONENTS: Solar Cell
PART NUMBER: SX 170I
MANUFACTURER: bp Solar
REMARK: Rated power (Pmax) 170W



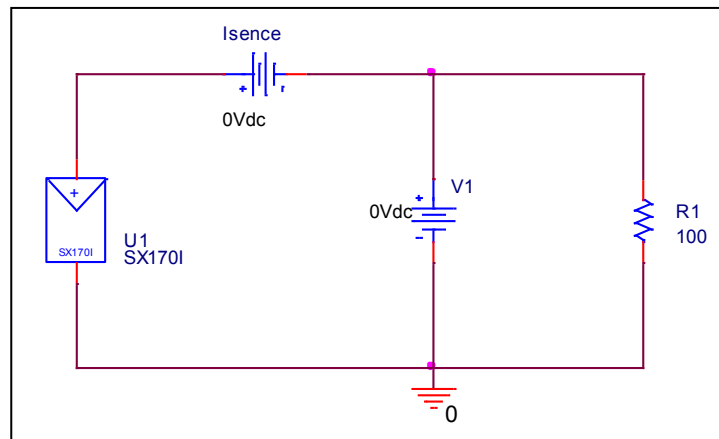
Bee Technologies Inc.

Output Characteristic

Circuit Simulation Result



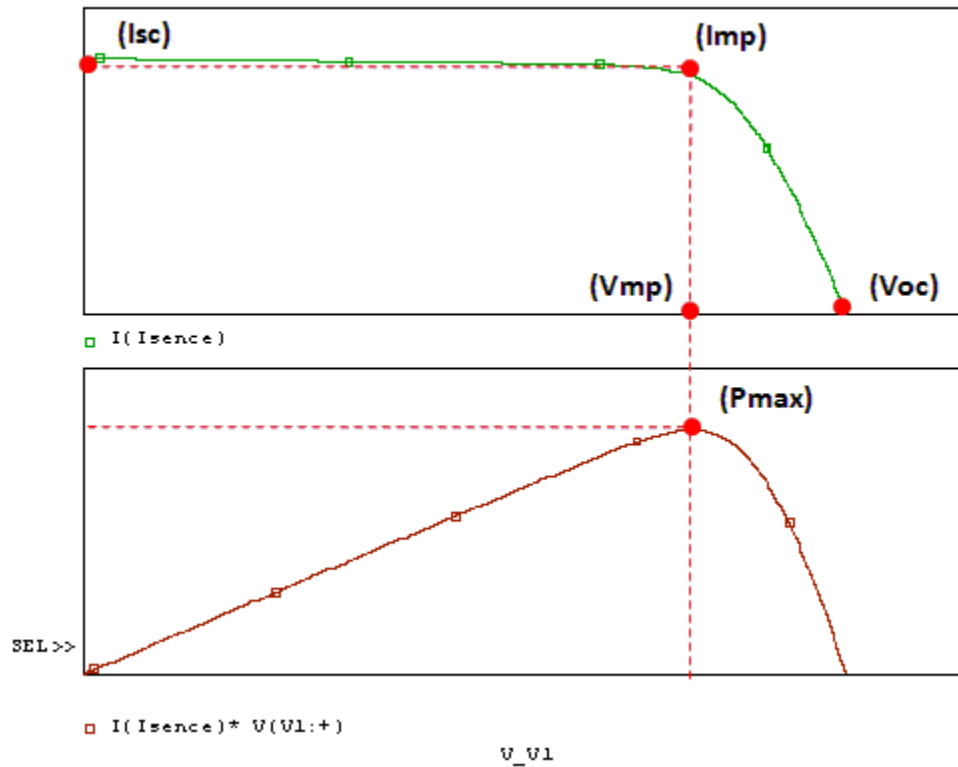
Simulation Circuit



Output Characteristic

Reference

Circuit Simulation Result



Data Table

Symbol	Measurement	Simulation	%Error
Isc	5.0000	4.9992	-0.016
Voc	43.6000	43.5530	-0.108
Imp	4.8000	4.7530	-0.979
Vmp	35.4000	35.3000	-0.282
Pmax(Imp*Vmp)	169.9200	167.7790	-1.260

Data Information

No. SX 170I	
Maximum power (Pmax)³	170W
Voltage at Pmax (Vmp)	35.4V
Current at Pmax (Imp)	4.8A
Short-circuit current (Isc)	5.0A
Open-circuit voltage (Voc)	43.6V