

Device Modeling Report

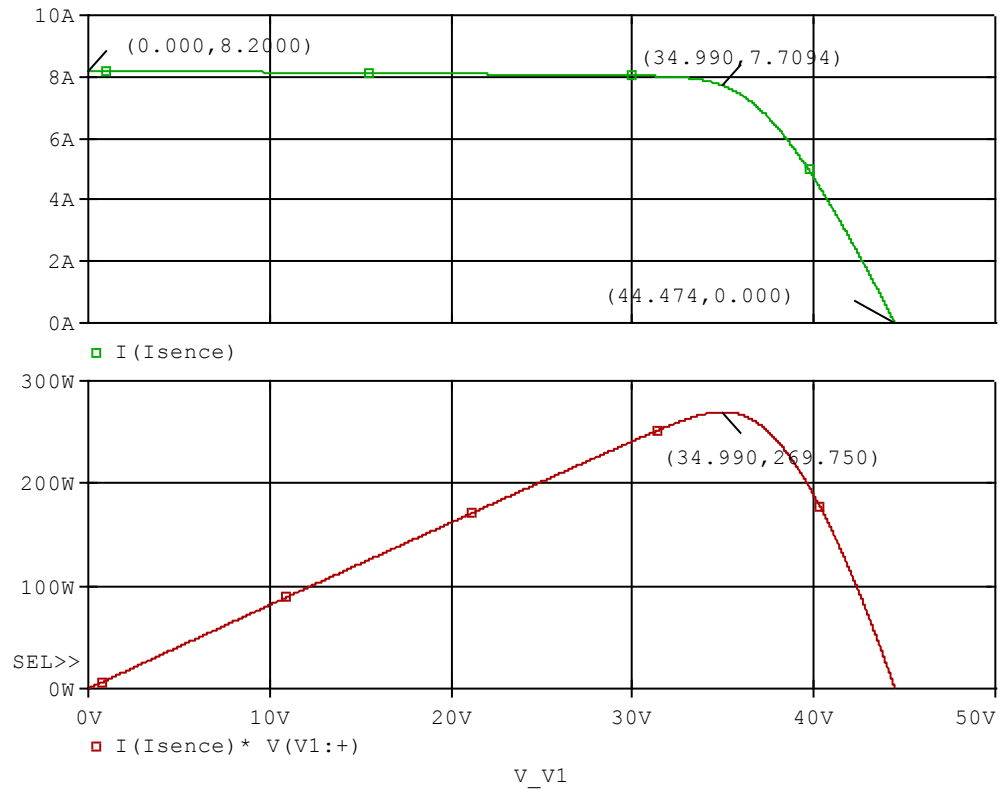
COMPONENTS: Solar Cell
PART NUMBER: STP270-24/Vb-1
MUNUFACTURER: Suntech Power
REMARK: Pmax=270(W)



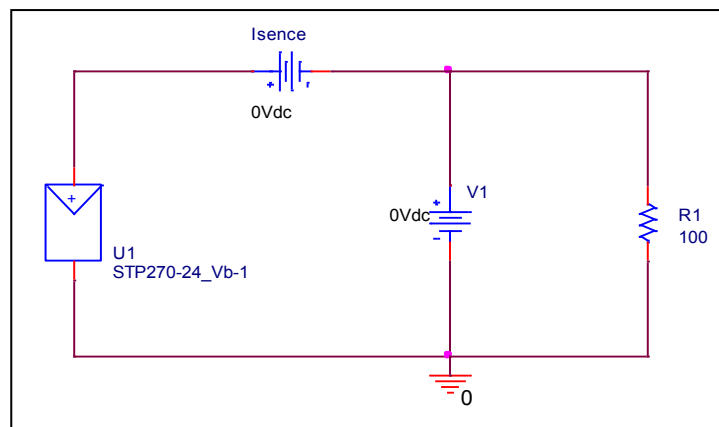
Bee Technologies Inc.

Output Characteristic

Circuit Simulation Result



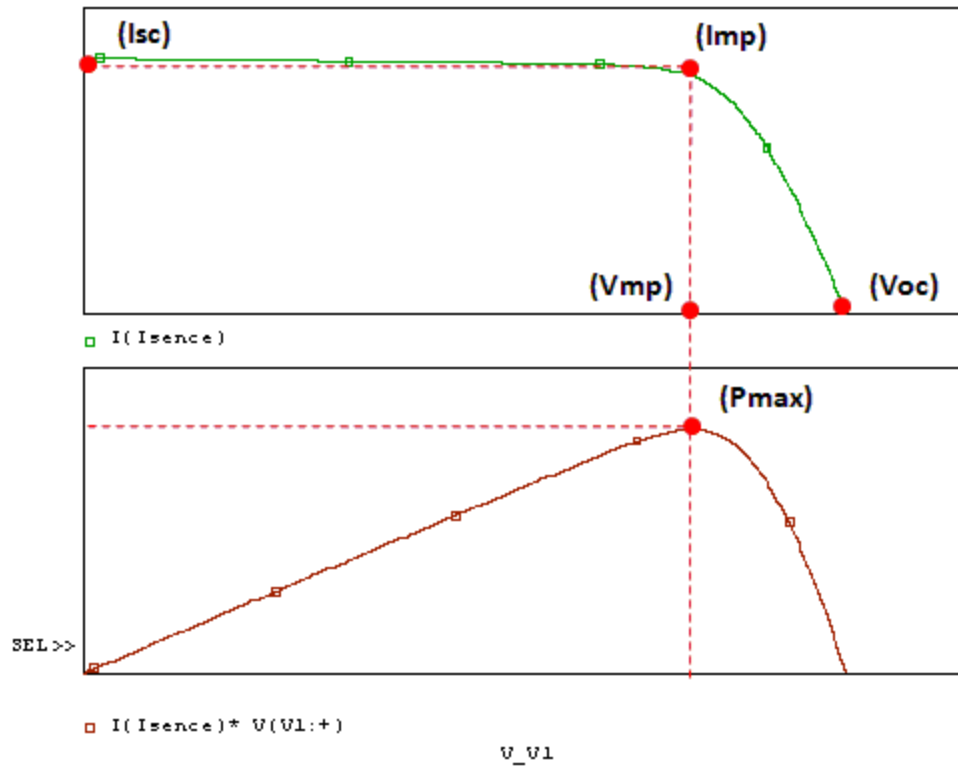
Simulation Circuit



Output Characteristic

Reference

Circuit Simulation Result



Data Table

Symbol	Measurement	Simulation	%Error
Pmax	270.0000	269.7500	-0.093
Vmp	35.0000	34.9900	-0.029
Imp	7.7100	7.7094	-0.008
Voc	44.5000	44.4740	-0.058
Isc	8.2000	8.2000	0.000

Data Information

No. STP270-24/Vb-1	
Maximum output (Pmax)	270.000
Maximum power voltage (Vmp)	35.000
Maximum power current (Imp)	7.710
Open circuit voltage (Voc)	44.500
Short circuit current (Isc)	8.200