

Device Modeling Report

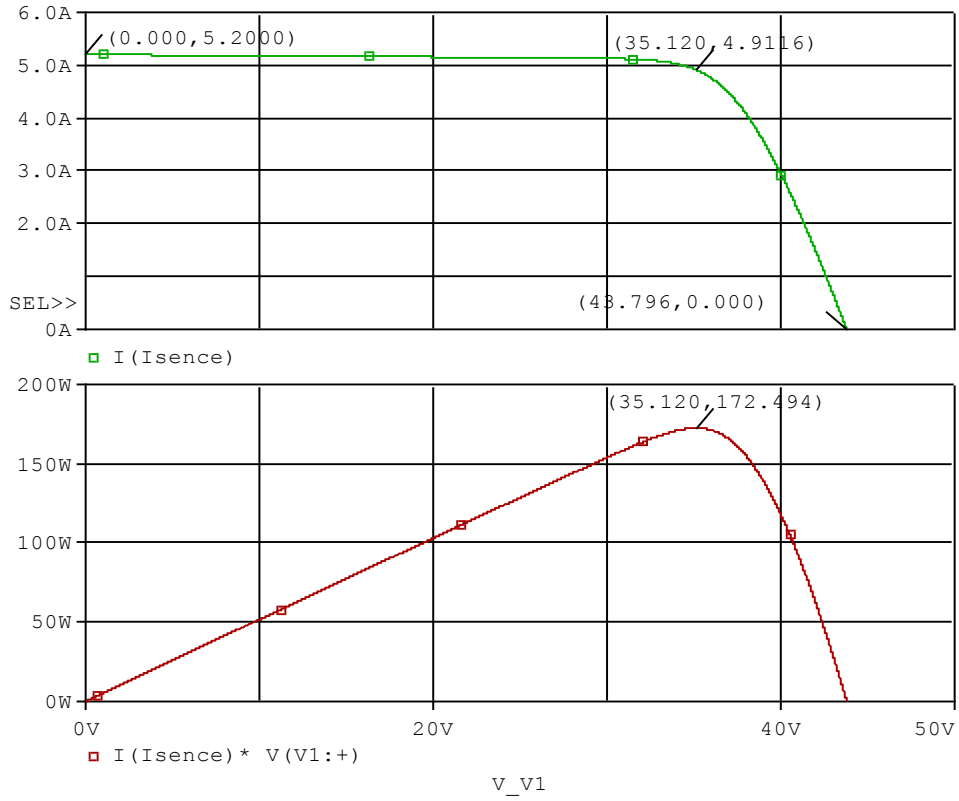
COMPONENTS: Solar Cell
PART NUMBER: STP175S-24_Ab-1
MUNUFACTURER: Suntech Power
REMARK: Pmax=175(W)



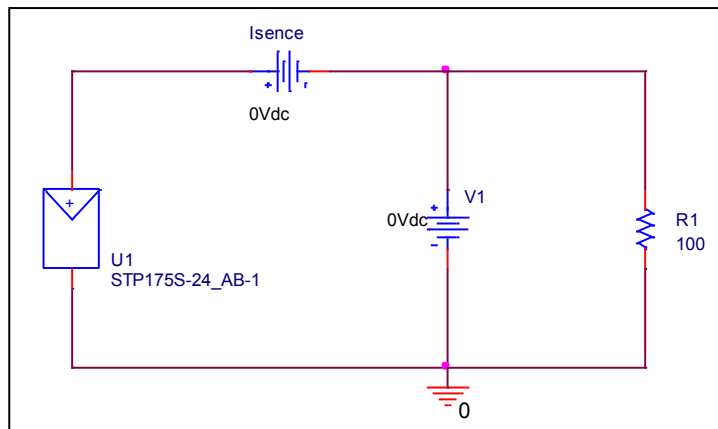
Bee Technologies Inc.

Output Characteristic

Circuit Simulation Result



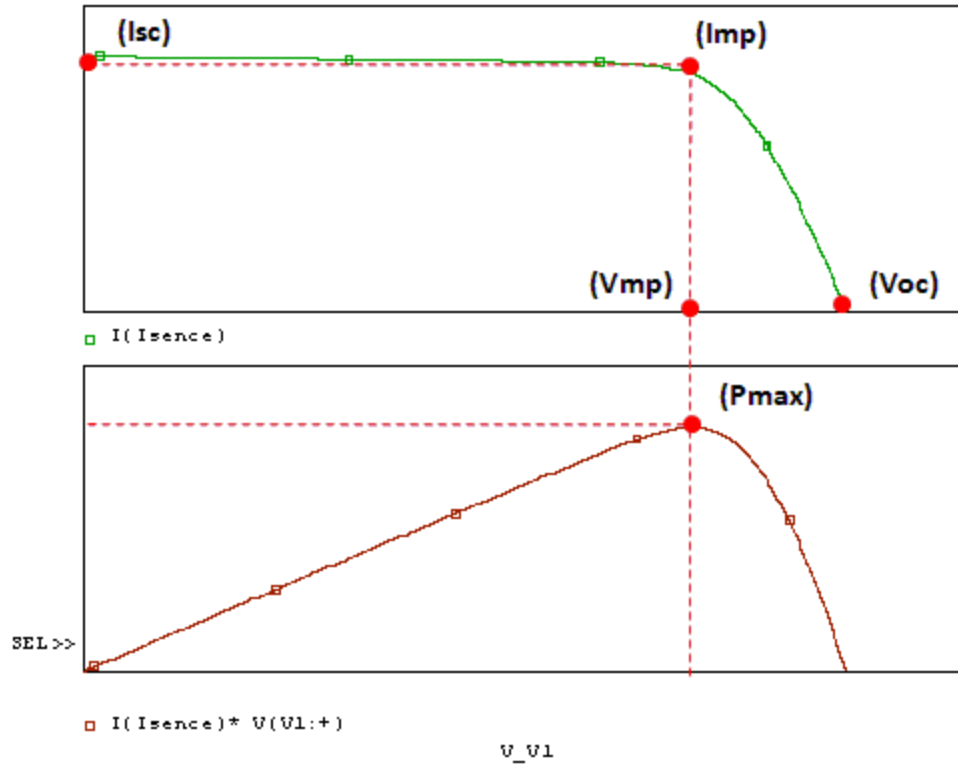
Simulation Circuit



Output Characteristic

Reference

Circuit Simulation Result



Data Table

Symbol	Measurement	Simulation	%Error
Pmax	175.000	172.494	-1.432
Vmp	35.200	35.120	-0.227
Imp	4.950	4.912	-0.776
Voc	44.200	43.796	-0.914
Isc	5.200	5.200	0.000

Data Information

No. STP175S-24_Ab-1	
Maximum output (Pmax)	175.000
Maximum power voltage (Vmp)	35.200
Maximum power current (Imp)	4.950
Open circuit voltage (Voc)	44.200
Short circuit current (Isc)	5.200