

Device Modeling Report

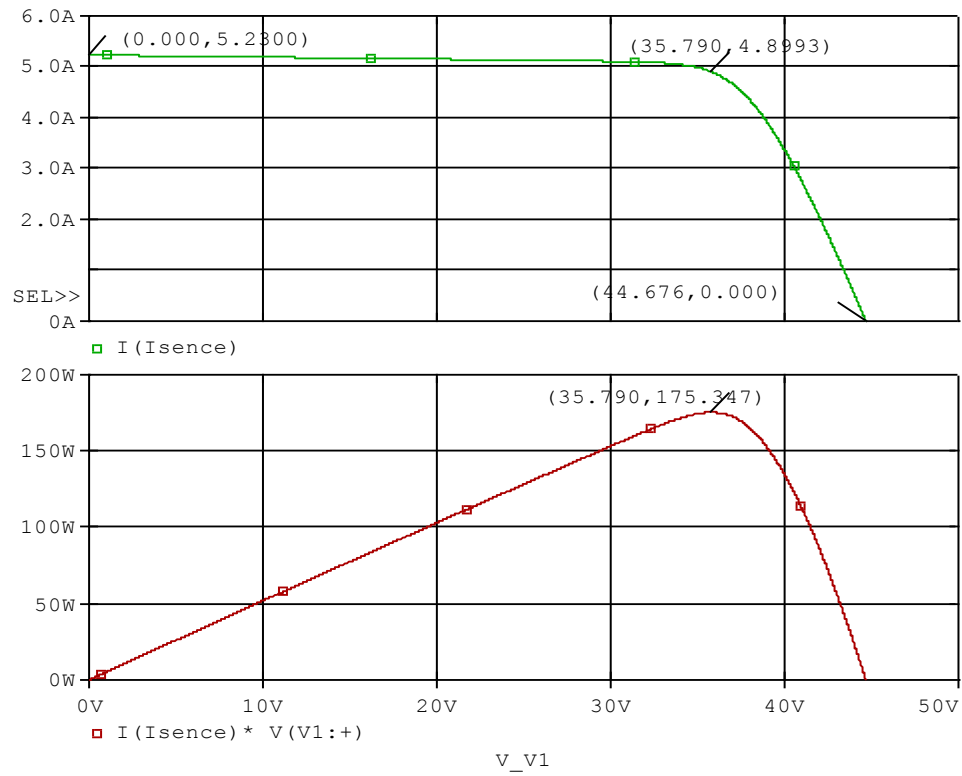
COMPONENTS: Solar Cell
PART NUMBER: STP175S-24/Ad
MUNUFACTURER: Suntech Power
REMARK: Pmax=175(W)



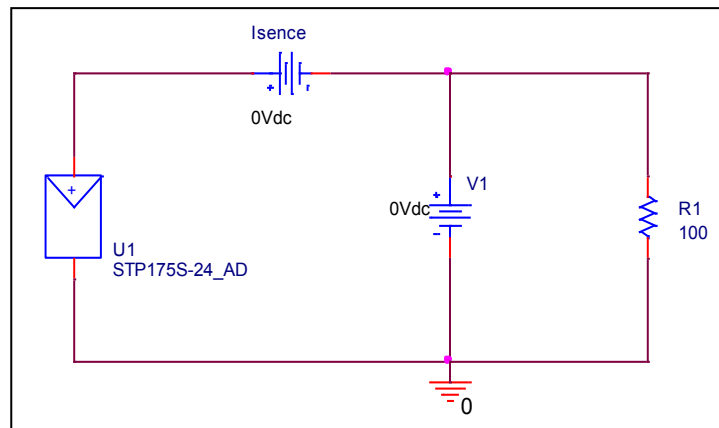
Bee Technologies Inc.

Output Characteristic

Circuit Simulation Result



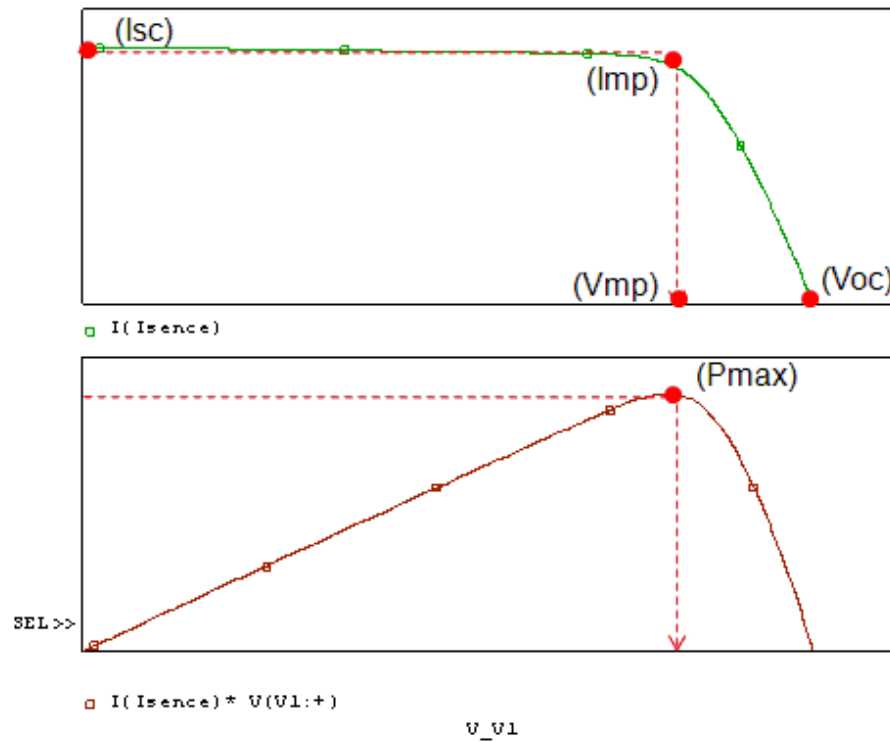
Simulation Circuit



Output Characteristic

Reference

Circuit Simulation Result



Data Table

Symbol	Measurement	Simulation	%Error
Pmax	175.0000	175.3470	0.198
Vmp	35.8000	35.7900	-0.028
Imp	4.9000	4.8993	-0.014
Voc	44.7000	44.6760	-0.054
Isc	5.2300	5.2300	0.000

Data Information

No.STP175S-24/Ad	
Maximum output (Pmax)	175.0000
Maximum power voltage (Vmp)	35.8000
Maximum power current (Imp)	4.9000
Open circuit voltage (Voc)	44.7000
Short circuit current (Isc)	5.2300