

Device Modeling Report

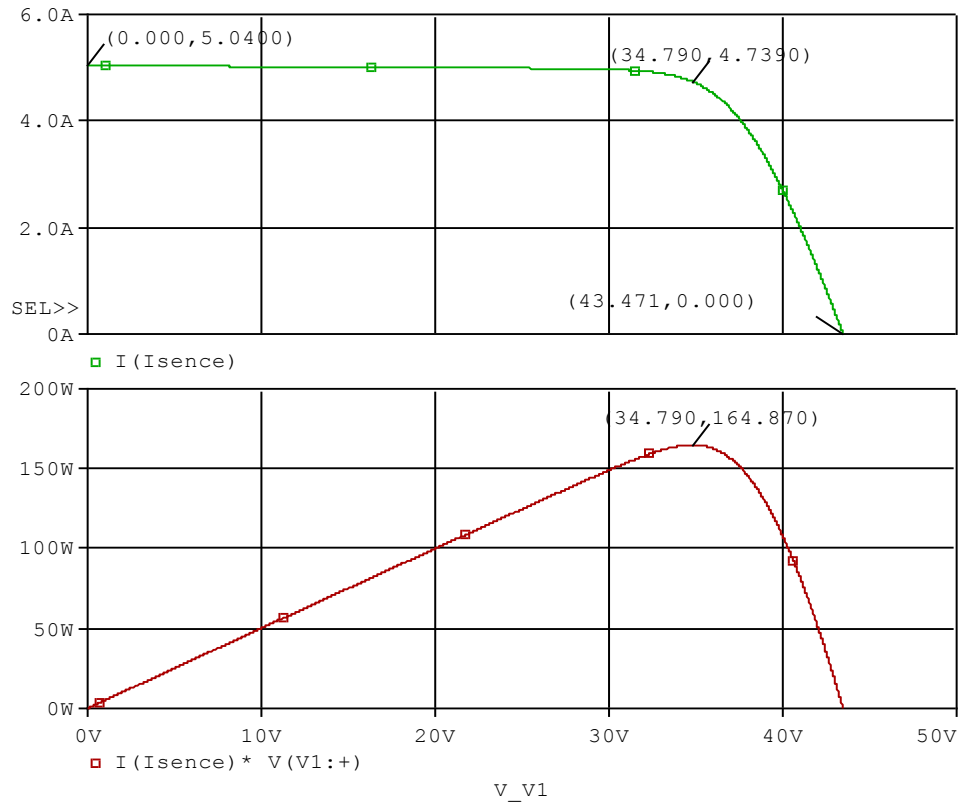
COMPONENTS: Solar Cell
PART NUMBER: STP165S-24_Ab-1
MUNUFACTURER: Suntech Power
REMARK: Pmax=165(W)



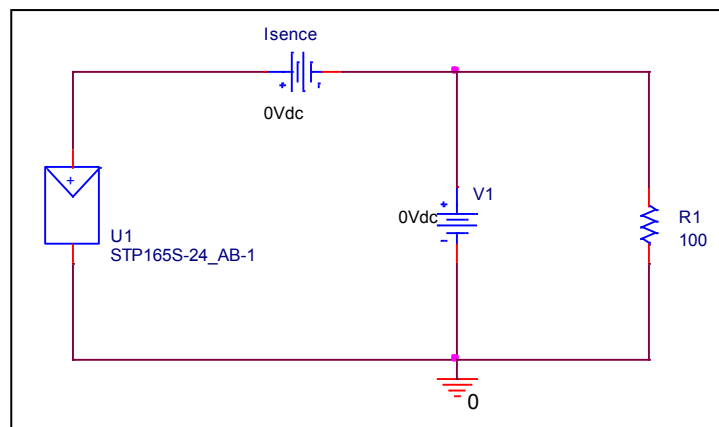
Bee Technologies Inc.

Output Characteristic

Circuit Simulation Result



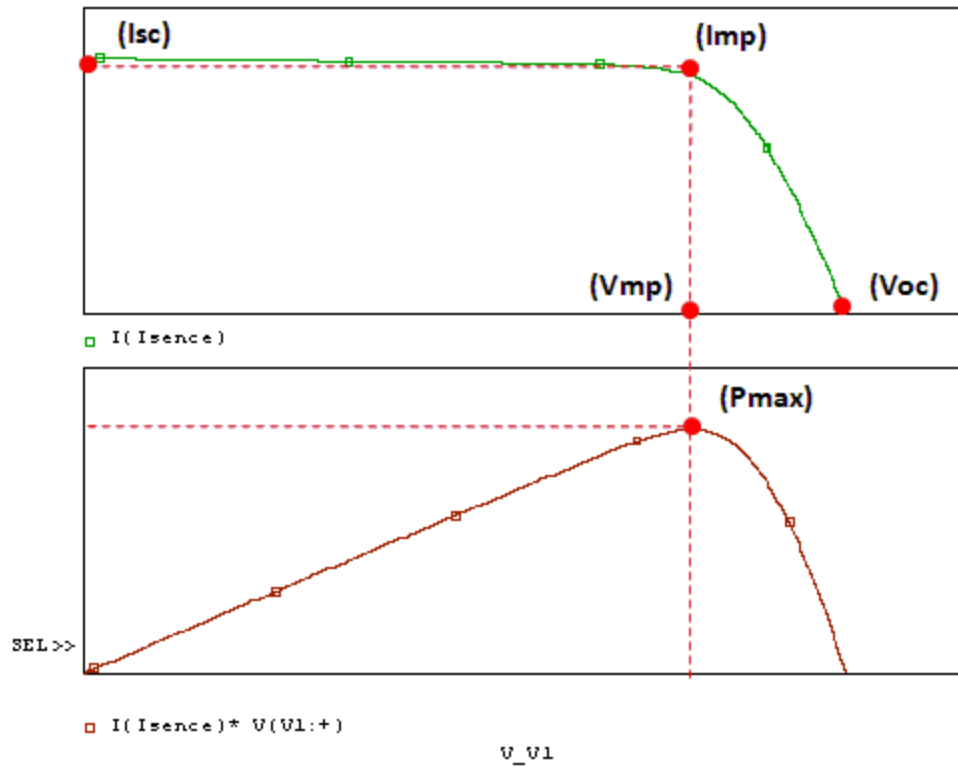
Simulation Circuit



Output Characteristic

Reference

Circuit Simulation Result



Data Table

Symbol	Measurement	Simulation	%Error
Pmax	165.000	164.870	-0.079
Vmp	34.800	34.790	-0.029
Imp	4.740	4.739	-0.021
Voc	43.600	43.471	-0.296
Isc	5.040	5.040	0.000

Data Information

No. STP165S-24_Ab-1	
Maximum output (Pmax)	165.000
Maximum power voltage (Vmp)	34.800
Maximum power current (Imp)	4.740
Open circuit voltage (Voc)	43.600
Short circuit current (Isc)	5.040