

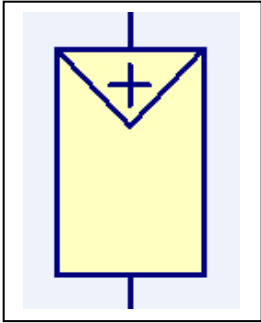
Device Modeling Report

COMPONENTS: Solar Cell
PART NUMBER: STP160S-24_Ab-1
MUNUFACTURER: Suntech Power
REMARK:Pmax=160(W)
REPORT of SolarCells (LTspice IV)



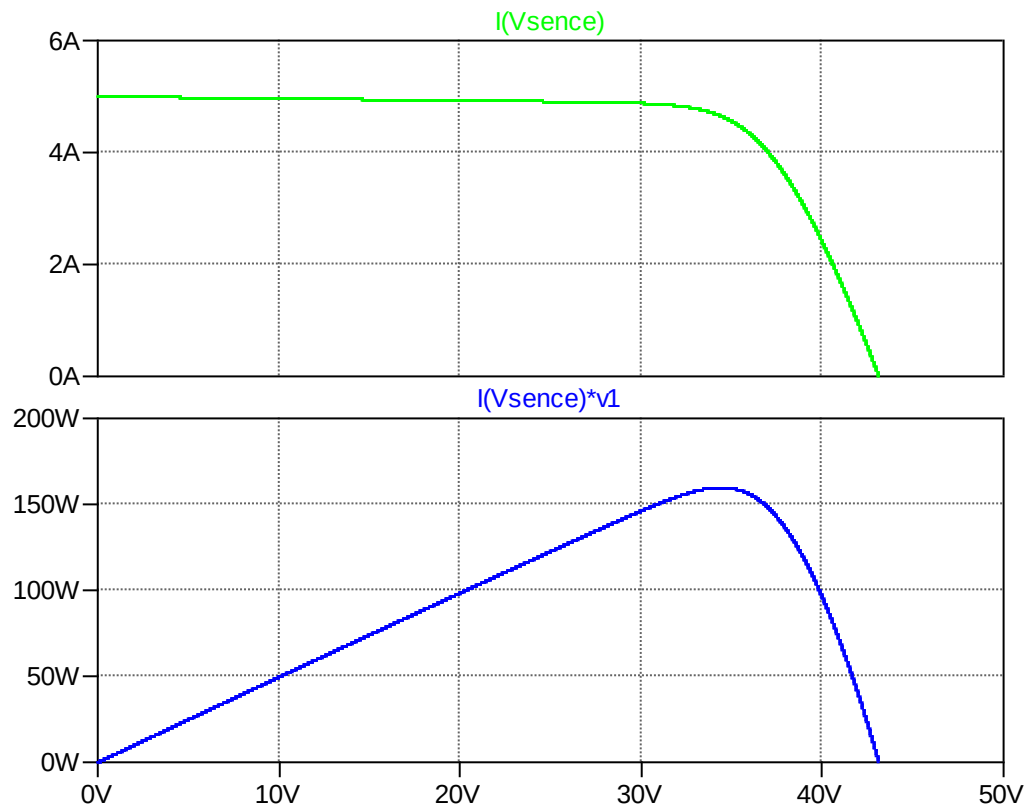
Bee Technologies Inc.

Circuit Configuration

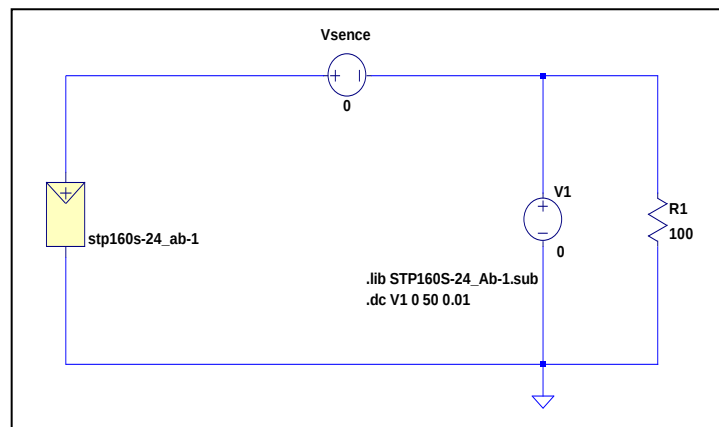


Output Characteristic

Circuit Simulation Result



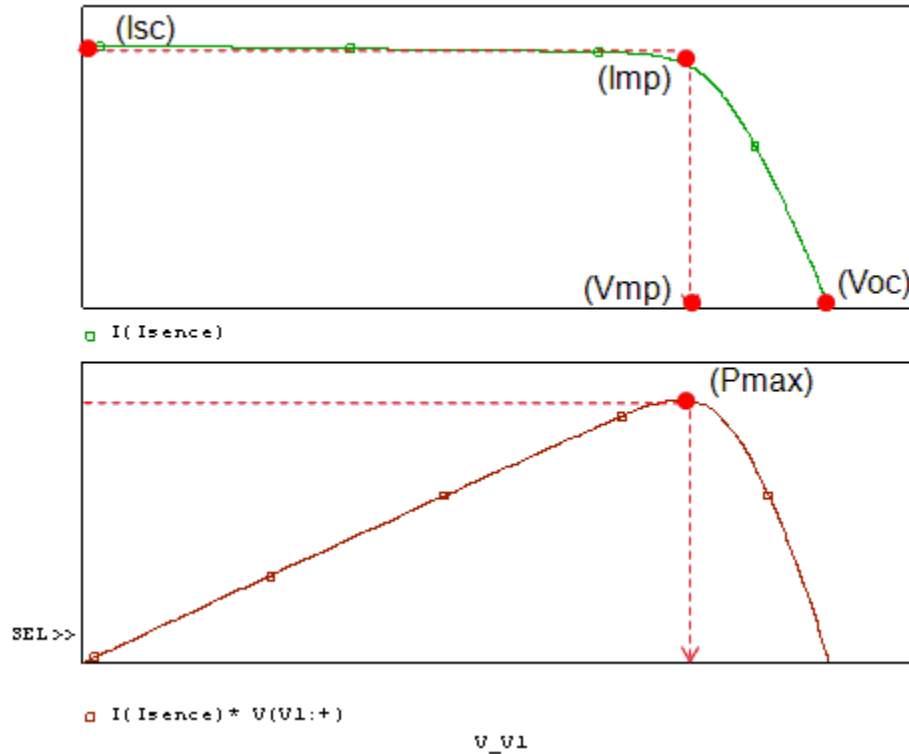
Simulation Circuit



Output Characteristic

Reference

Circuit Simulation Result



Data Table

Symbol	Measurement	Simulation	%Error
Pmax	160.000	159.828	-0.107
Vmp	34.400	34.380	-0.058
Imp	4.650	4.649	-0.024
Voc	43.200	43.098	-0.236
Isc	5.000	4.998	-0.034

Data Information

No.STP160S-24_Ab-1	
Maximum output (Pmax)	160.000
Maximum power voltage (Vmp)	34.400
Maximum power current (Imp)	4.650
Open circuit voltage (Voc)	43.200
Short circuit current (Isc)	5.000