

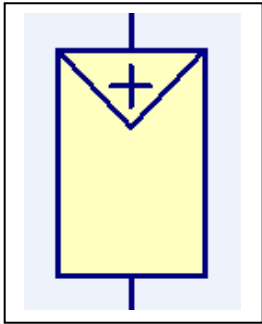
Device Modeling Report

COMPONENTS: Solar Cell
PART NUMBER: STP130D-12TEA
MUNUFACTURER: Suntech Power
REMARK: P_{max}= 130(W)
REPORT of SolarCells (LTspice IV)



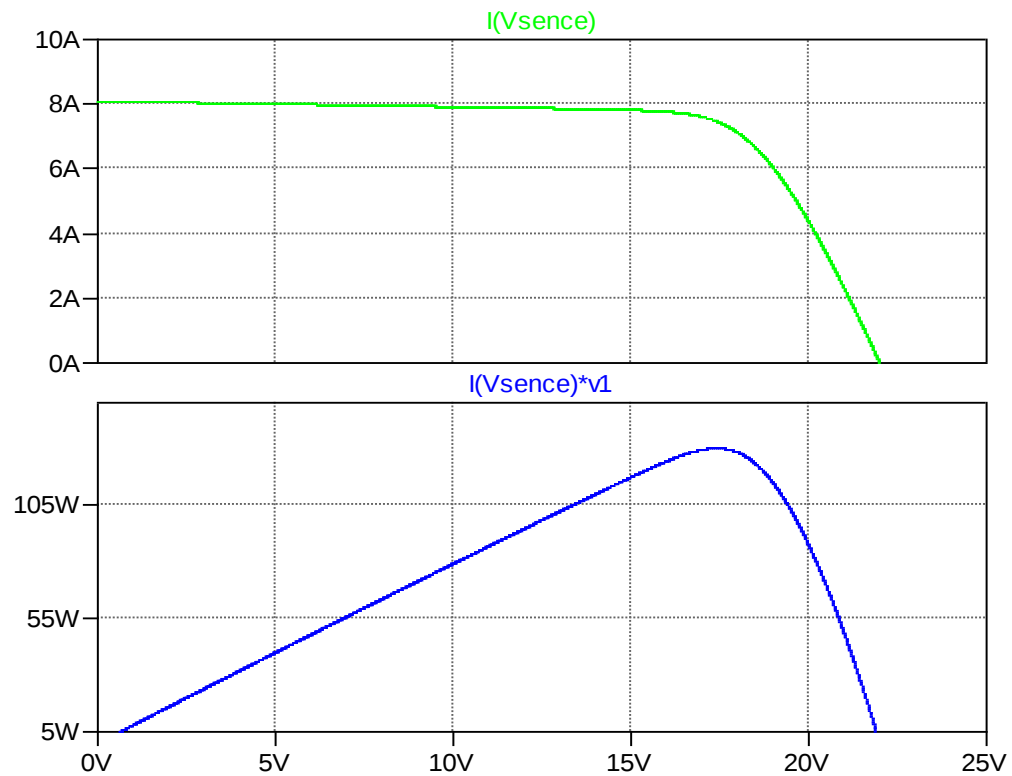
Bee Technologies Inc.

Circuit Configuration

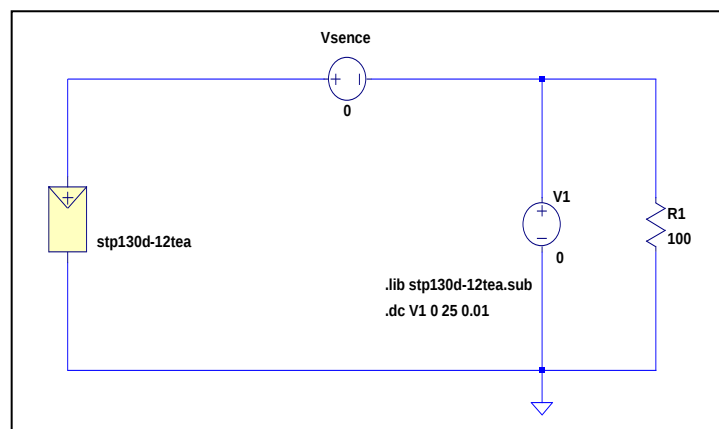


Output Characteristic

Circuit Simulation Result



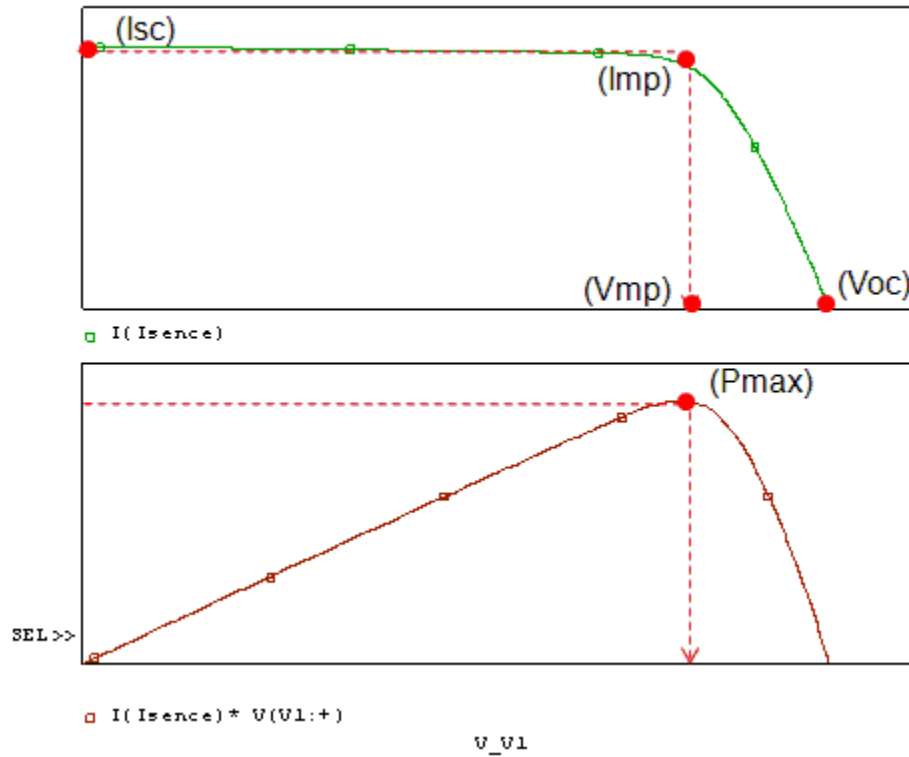
Simulation Circuit



Output Characteristic

Reference

Circuit Simulation Result



Data Table

Symbol	Measurement	Simulation	%Error
Pmax	130.000	129.890	-0.085
Vmp	17.400	17.390	-0.057
Imp	7.470	7.469	-0.009
Voc	22.000	21.983	-0.077
Isc	8.090	8.090	0.000

Data Information

No.STP130D-12/TEA	
Maximum output (Pmax)	130.000
Maximum power voltage (Vmp)	17.400
Maximum power current (Imp)	7.470
Open circuit voltage (Voc)	22.000
Short circuit current (Isc)	8.090