

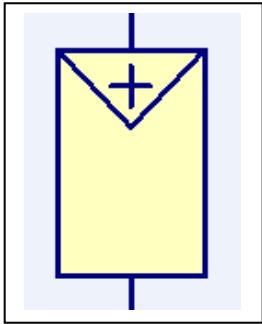
Device Modeling Report

COMPONENTS: Solar Cell
PART NUMBER: STP085B-12BEA
MUNUFACTURER: Suntech Power
REMARK:Pmax= 85(W)
REPORT of SolarCells (LTspice IV)



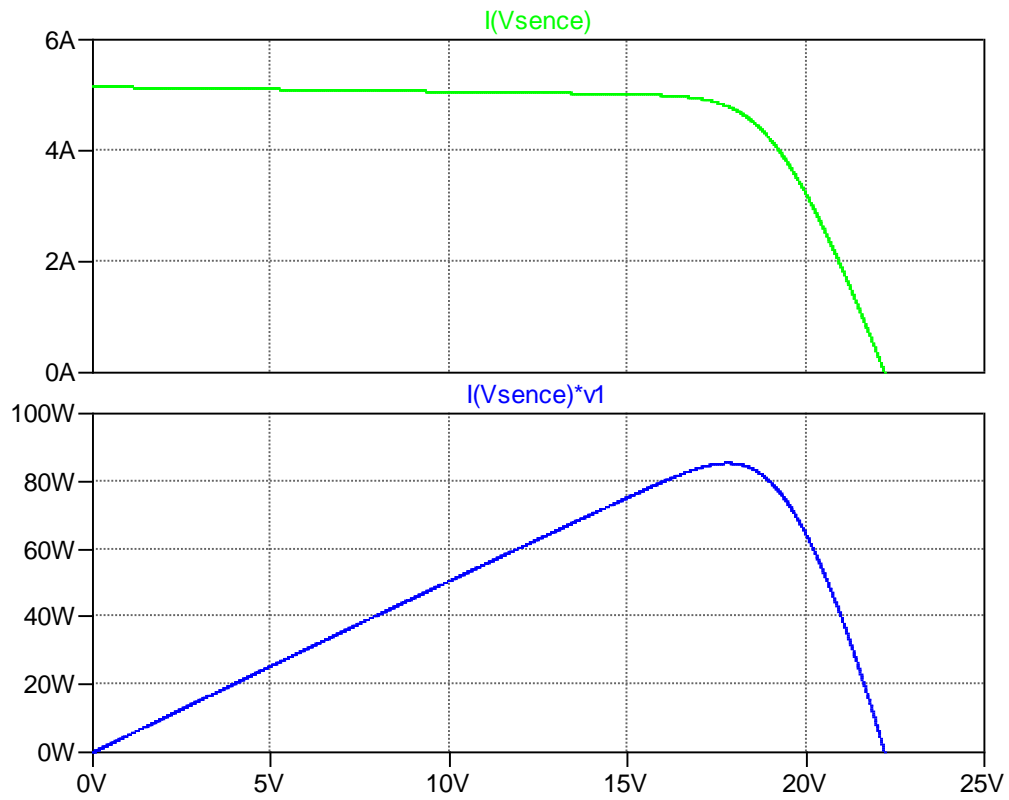
Bee Technologies Inc.

Circuit Configuration

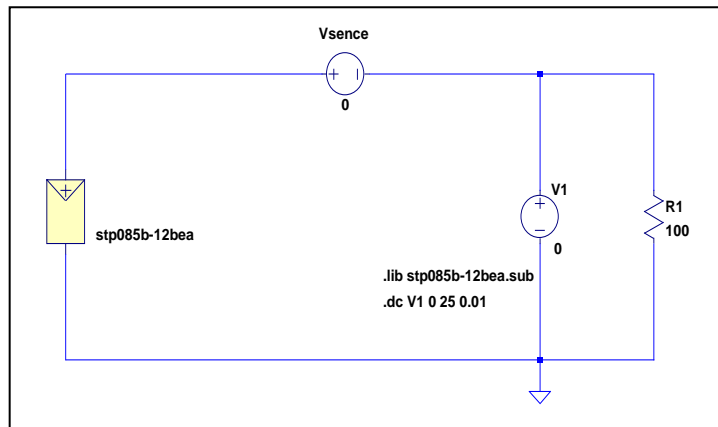


Output Characteristic

Circuit Simulation Result



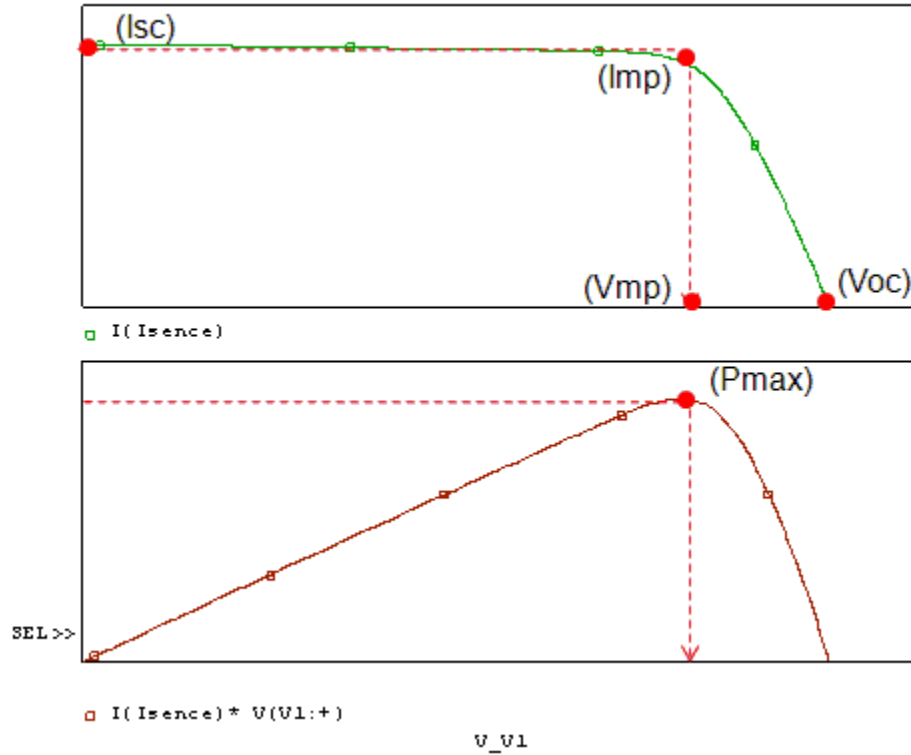
Simulation Circuit



Output Characteristic

Reference

Circuit Simulation Result



Data Table

Symbol	Measurement	Simulation	%Error
Pmax	85.000	85.370	0.435
Vmp	17.800	17.790	-0.056
Imp	4.800	4.799	-0.025
Voc	22.200	22.190	-0.045
Isc	5.150	5.150	0.000

Data Information

No.STP085B-12/BEA	
Maximum output (Pmax)	85.000
Maximum power voltage (Vmp)	17.800
Maximum power current (Imp)	4.800
Open circuit voltage (Voc)	22.200
Short circuit current (Isc)	5.150