

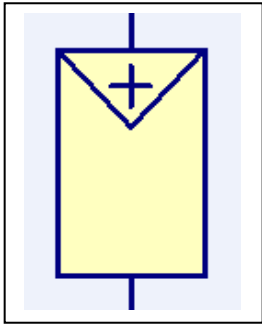
Device Modeling Report

COMPONENTS: Solar Cell
PART NUMBER: STP085S-12_Bb-1
MUNUFACTURER: Suntech Power
REMARK:Pmax= 85(W)
REPORT of SolarCells (LTspice IV)



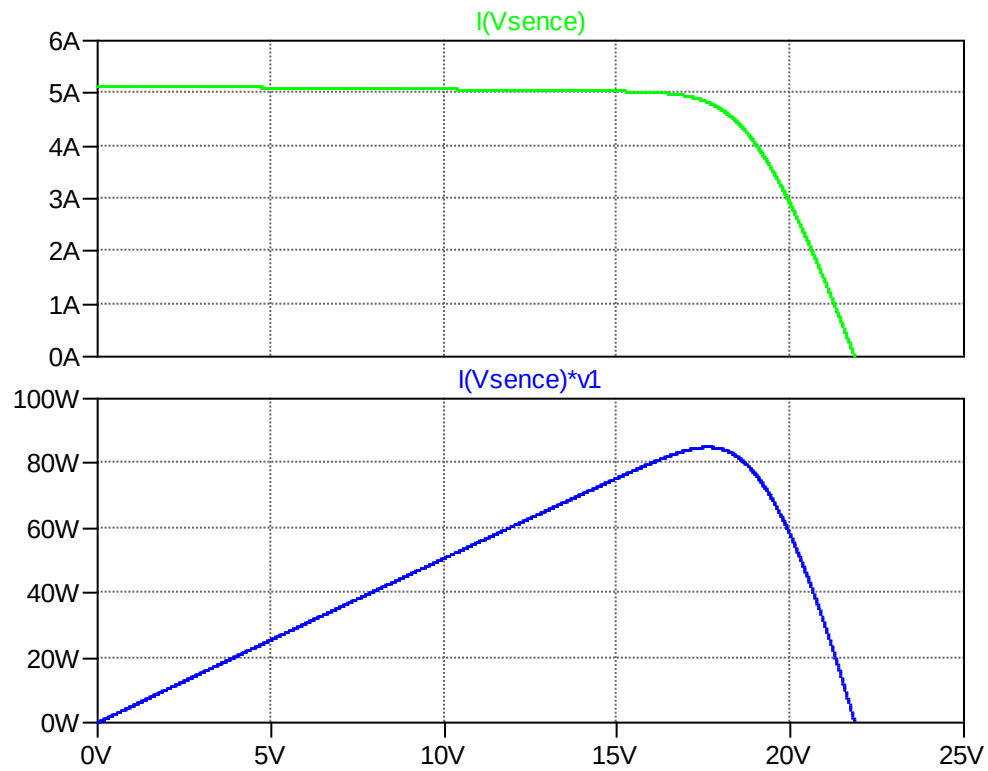
Bee Technologies Inc.

Circuit Configuration

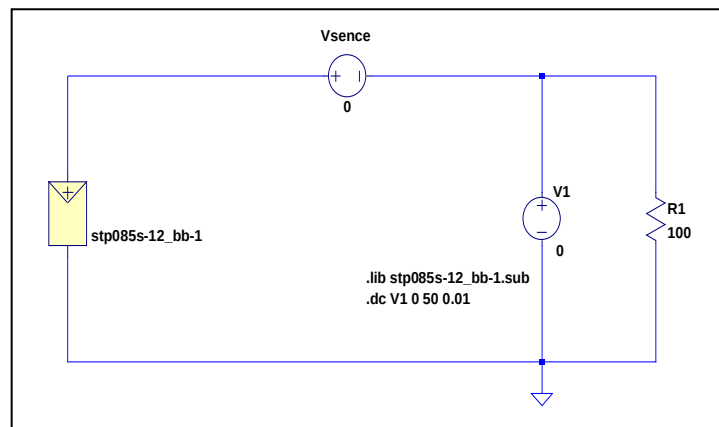


Output Characteristic

Circuit Simulation Result



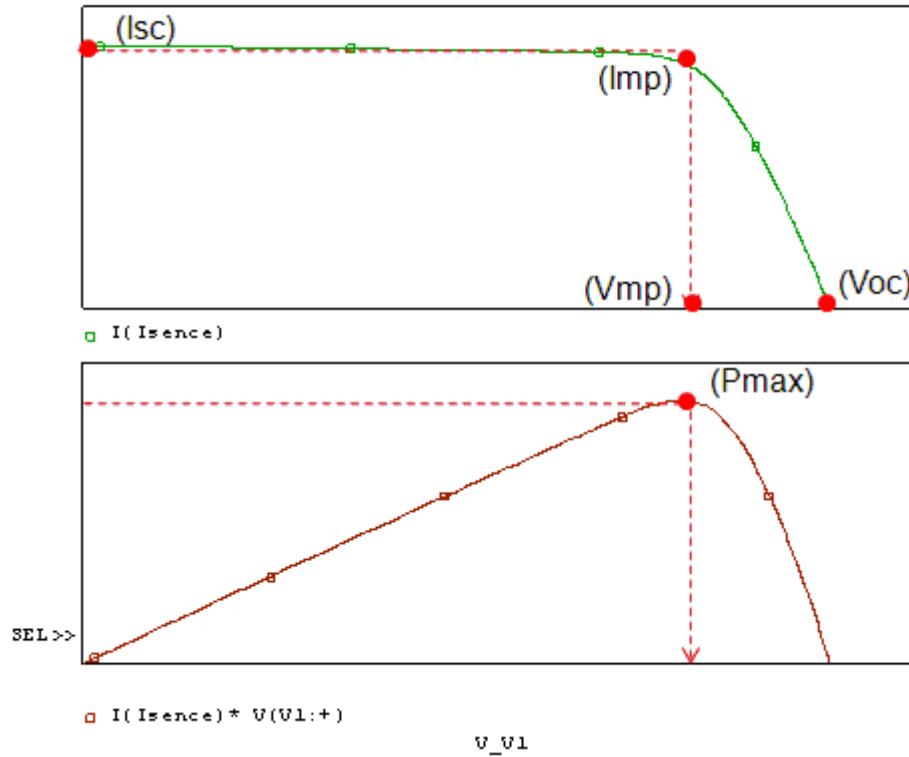
Simulation Circuit



Output Characteristic

Reference

Circuit Simulation Result



Data Table

Symbol	Measurement	Simulation	%Error
Pmax	85.0000	84.9510	-0.058
Vmp	17.6000	17.5900	-0.057
Imp	4.8300	4.8295	-0.010
Voc	21.9000	21.8380	-0.283
Isc	5.1400	5.1395	-0.010

Data Information

No. STP085S-12_Bb-1	
Maximum output (Pmax)	85.000
Maximum power voltage (Vmp)	17.600
Maximum power current (Imp)	4.830
Open circuit voltage (Voc)	21.900
Short circuit current (Isc)	5.140