

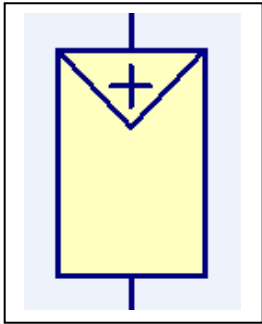
Device Modeling Report

COMPONENTS: Solar Cell
PART NUMBER: STP140D-12TEA
MUNUFACTURER: Suntech Power
REMARK:Pmax= 140(W)
REPORT of SolarCells (LTspice IV)



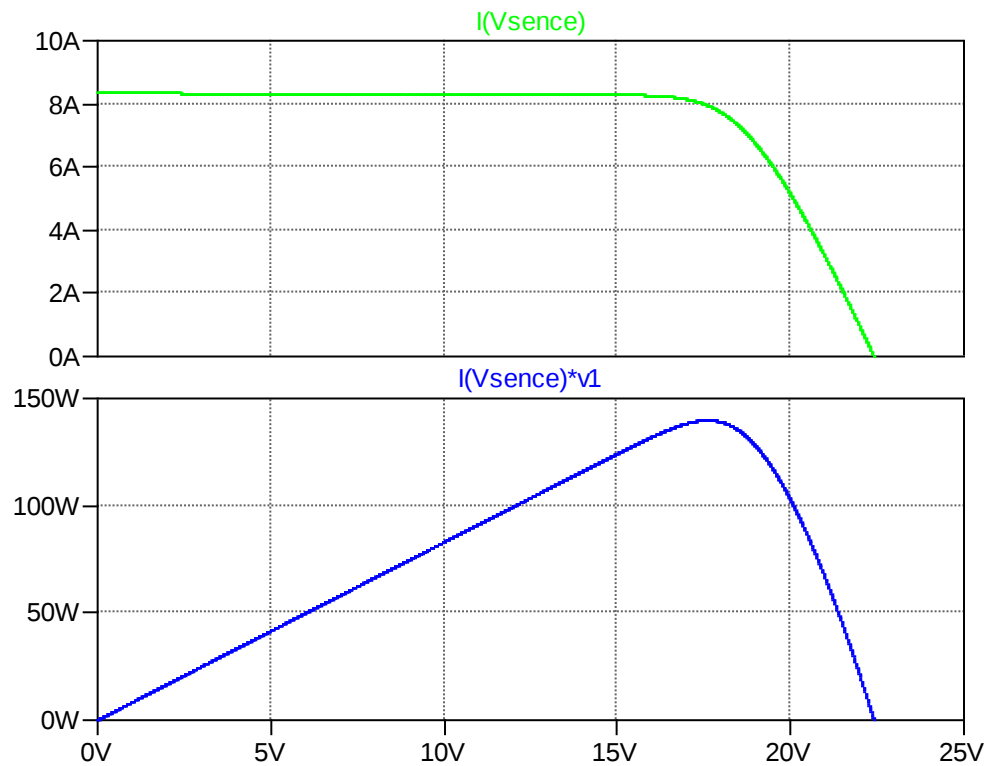
Bee Technologies Inc.

Circuit Configuration

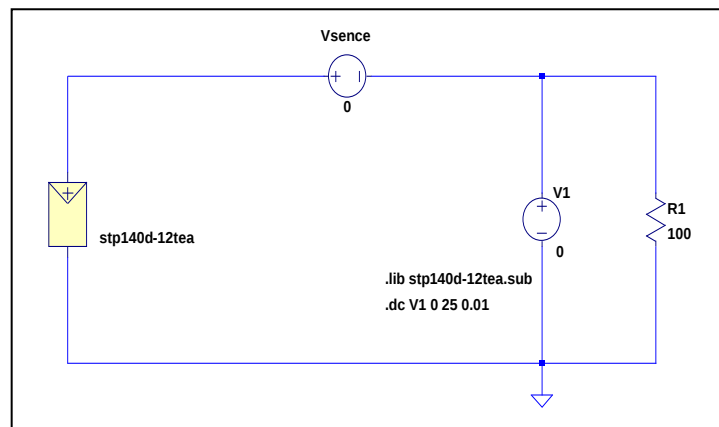


Output Characteristic

Circuit Simulation Result



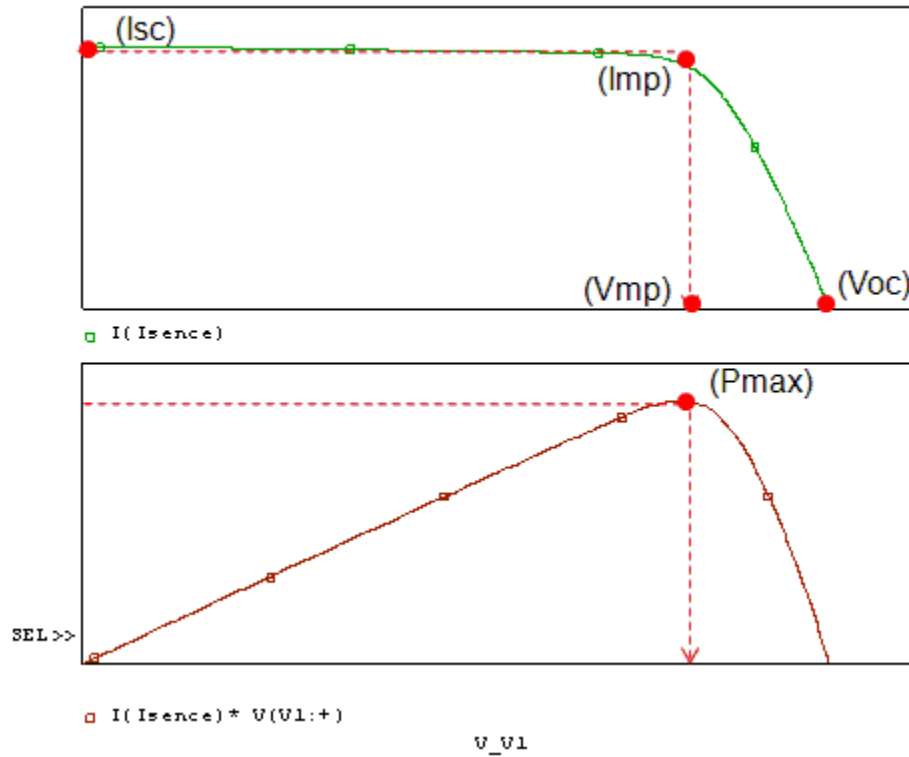
Simulation Circuit



Output Characteristic

Reference

Circuit Simulation Result



Data Table

Symbol	Measurement	Simulation	%Error
Pmax	140.000	139.710	-0.207
Vmp	17.600	17.590	-0.057
Imp	7.950	7.943	-0.093
Voc	22.400	22.393	-0.031
Isc	8.330	8.330	0.000

Data Information

No.STP140D-12/TEA	
Maximum output (Pmax)	140.000
Maximum power voltage (Vmp)	17.600
Maximum power current (Imp)	7.950
Open circuit voltage (Voc)	22.400
Short circuit current (Isc)	8.330