

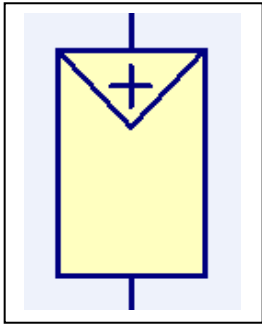
Device Modeling Report

COMPONENTS: Solar Cell
PART NUMBER: STP045D-12REA
MUNUFACTURER: Suntech Power
REMARK:Pmax= 45(W)
REPORT of SolarCells (LTspice IV)



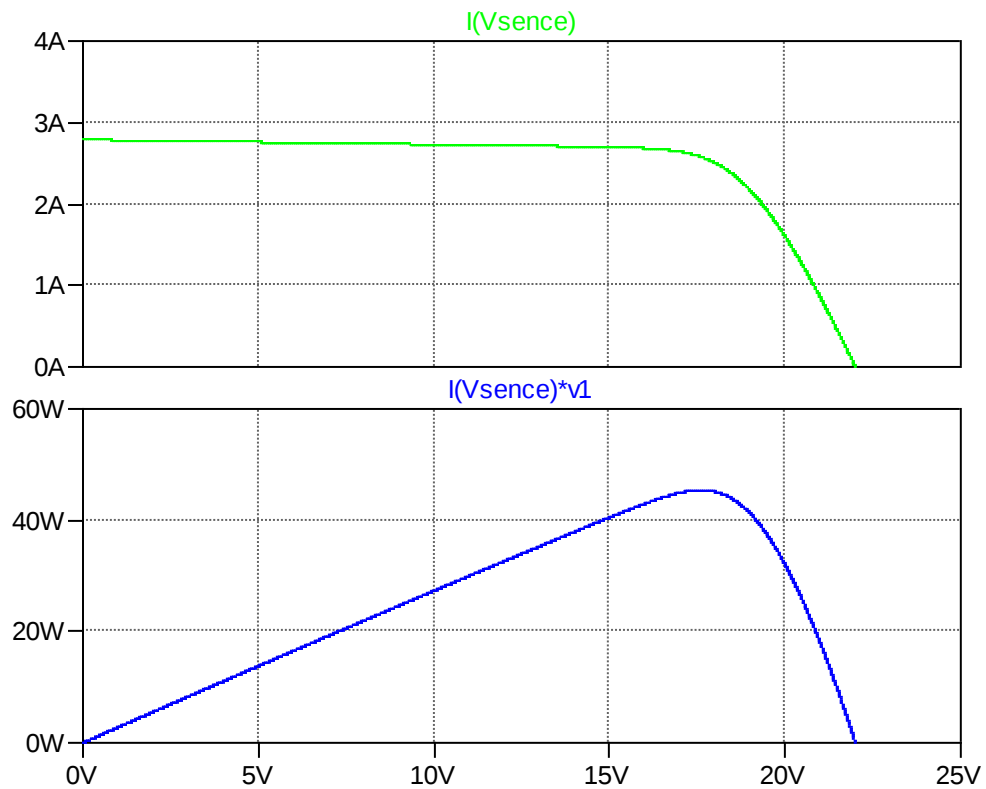
Bee Technologies Inc.

Circuit Configuration

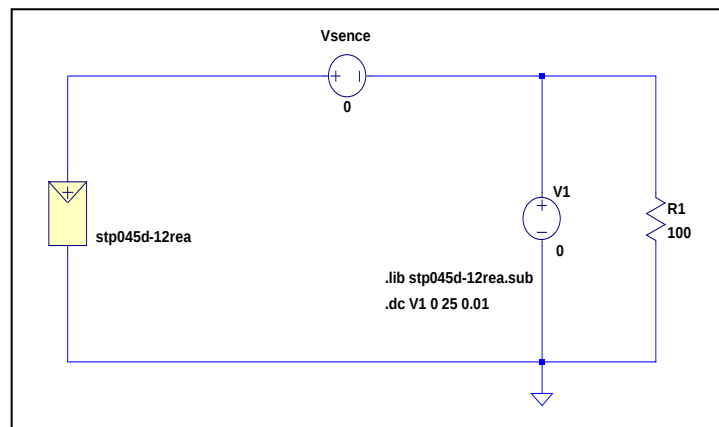


Output Characteristic

Circuit Simulation Result



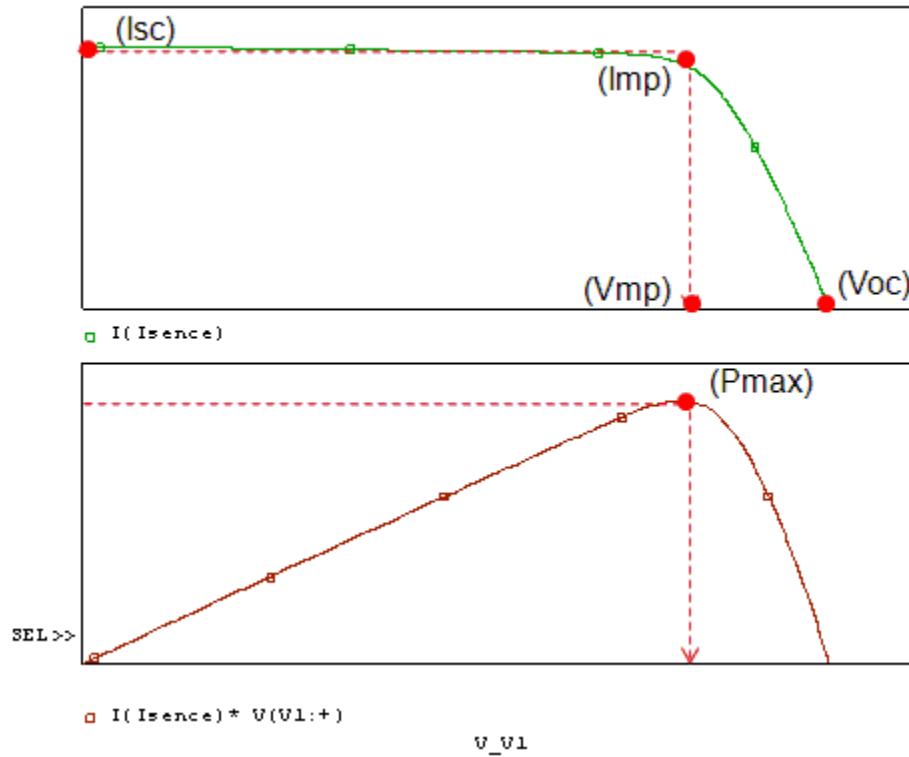
Simulation Circuit



Output Characteristic

Reference

Circuit Simulation Result



Data Table

Symbol	Measurement	Simulation	%Error
Pmax	45.000	45.377	0.838
Vmp	17.600	17.590	-0.057
Imp	2.580	2.580	-0.012
Voc	22.000	21.987	-0.059
Isc	2.790	2.790	0.000

Data Information

No.STP045D-12/REA	
Maximum output (Pmax)	45.000
Maximum power voltage (Vmp)	17.600
Maximum power current (Imp)	2.580
Open circuit voltage (Voc)	22.000
Short circuit current (Isc)	2.790