

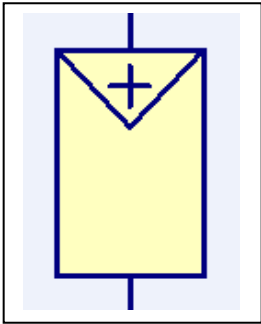
Device Modeling Report

COMPONENTS: Solar Cell
PART NUMBER: STP020B-12CEA
MUNUFACTURER: Suntech Power
REMARK: Pmax= 20(W)
REPORT of SolarCells (LTspice IV)



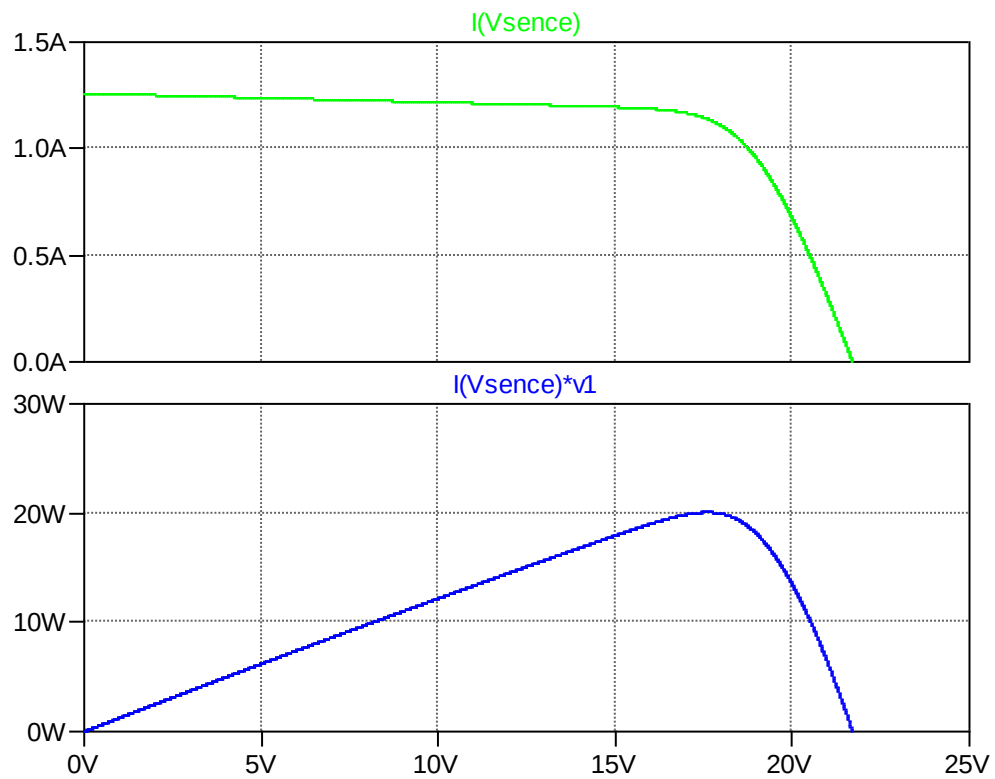
Bee Technologies Inc.

Circuit Configuration

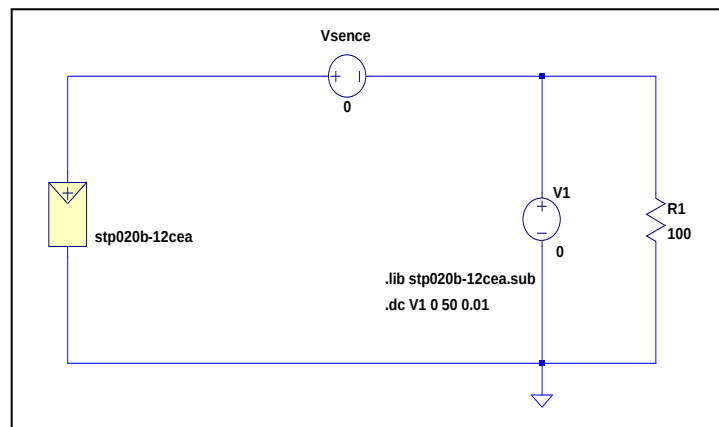


Output Characteristic

Circuit Simulation Result



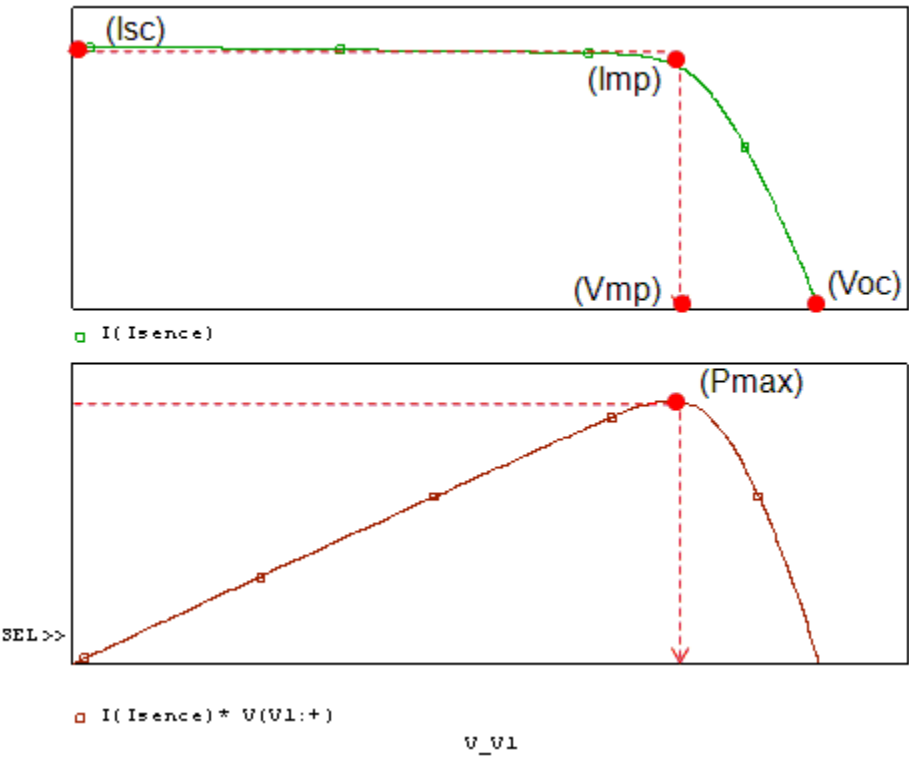
Simulation Circuit



Output Characteristic

Reference

Circuit Simulation Result



Data Table

Symbol	Measurement	Simulation	%Error
Pmax	20.000	20.049	0.245
Vmp	17.600	17.590	-0.057
Imp	1.140	1.140	-0.018
Voc	21.700	21.686	-0.065
Isc	1.260	1.260	0.000

Data Information

No.STP020B-12/CEA	
Maximum output (Pmax)	20.000
Maximum power voltage (Vmp)	17.600
Maximum power current (Imp)	1.140
Open circuit voltage (Voc)	21.700
Short circuit current (Isc)	1.260