

Device Modeling Report

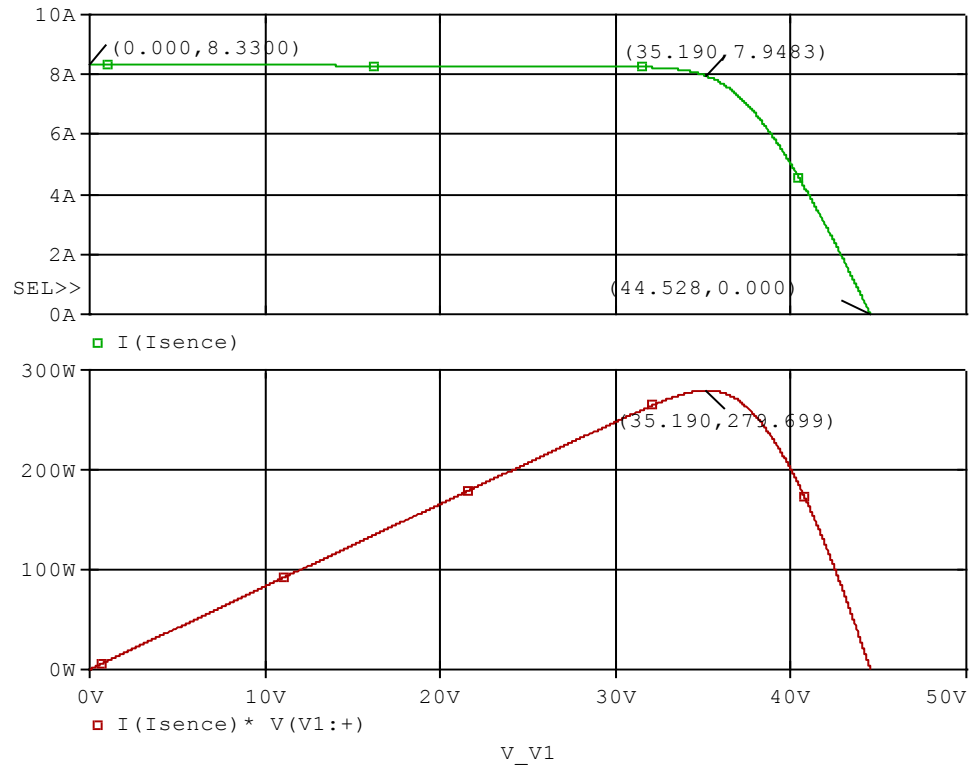
COMPONENTS: Solar Cell
PART NUMBER: STP280-24/Vb-1
MUNUFACTURER: Suntech Power
REMARK: Pmax=280(W)



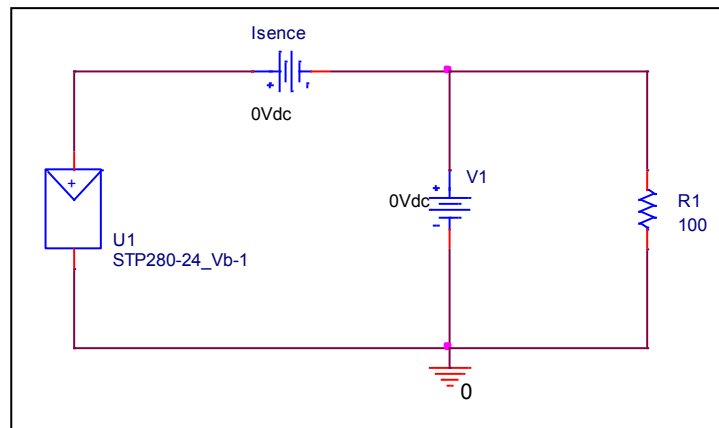
Bee Technologies Inc.

Output Characteristic

Circuit Simulation Result



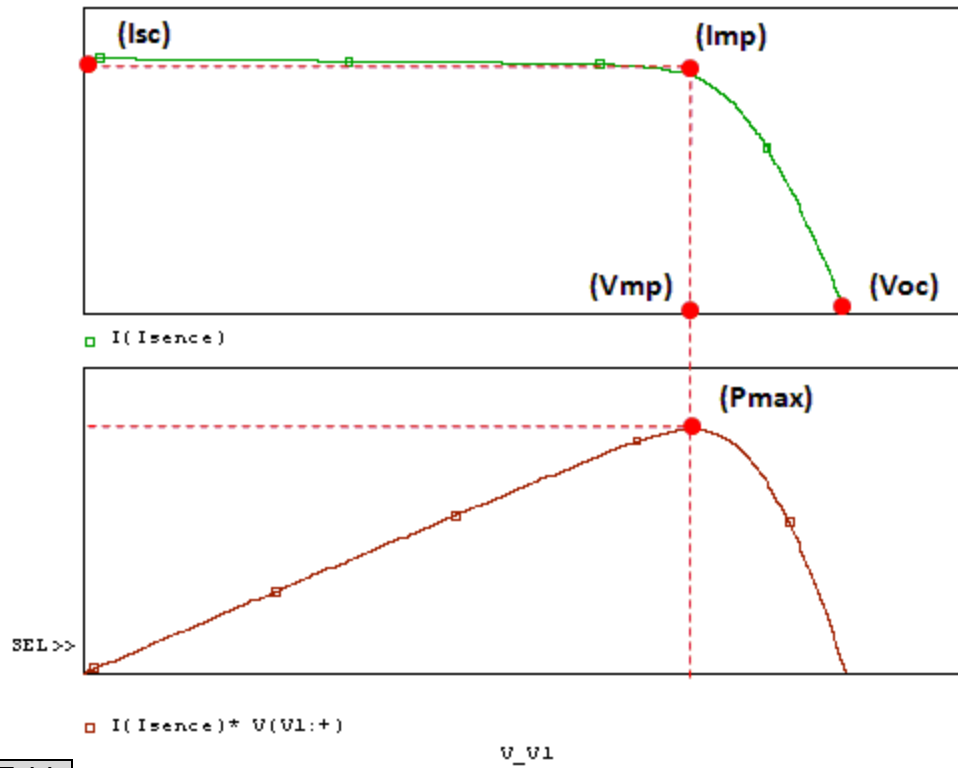
Simulation Circuit



Output Characteristic

Reference

Circuit Simulation Result



Data Table

Symbol	Measurement	Simulation	%Error
Pmax	280.0000	279.6990	-0.107
Vmp	35.2000	35.1900	-0.028
Imp	7.9500	7.9483	-0.021
Voc	44.8000	44.5280	-0.607
Isc	8.3300	8.3300	0.000

Data Information

No.STP280-24/Vb-1	
Maximum output (Pmax)	280.000
Maximum power voltage (Vmp)	35.200
Maximum power current (Imp)	7.950
Open circuit voltage (Voc)	44.800
Short circuit current (Isc)	8.330