

Device Modeling Report

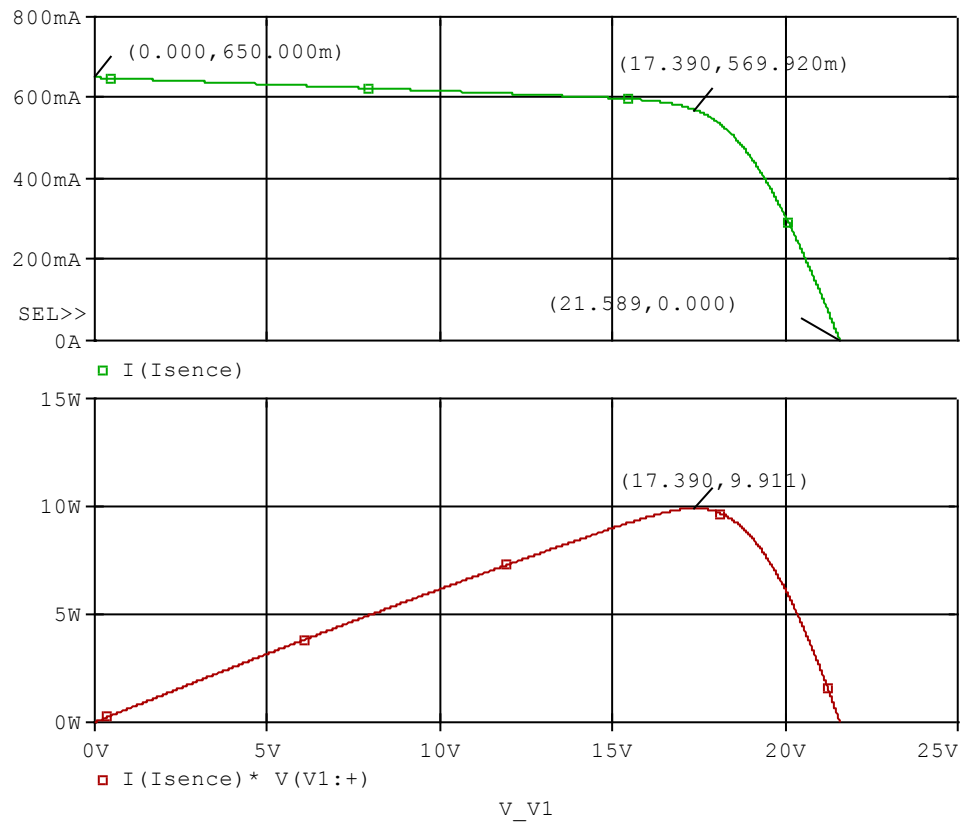
COMPONENTS: Solar Cell
PART NUMBER: STP010D-12/KEA
MUNUFACTURER: Suntech Power
REMARK: $P_{max}=10(W)$



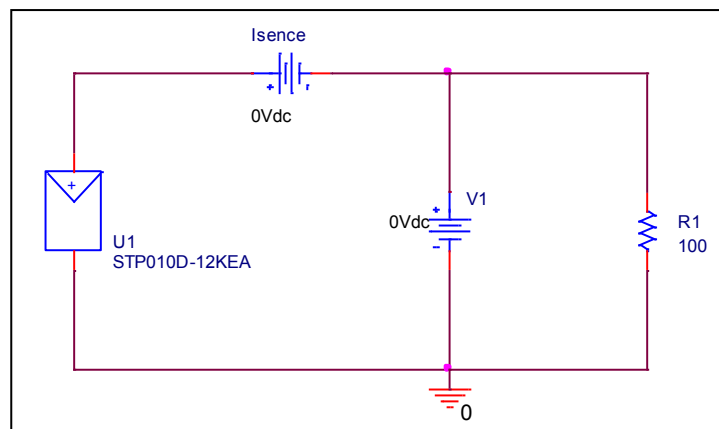
Bee Technologies Inc.

Output Characteristic

Circuit Simulation Result



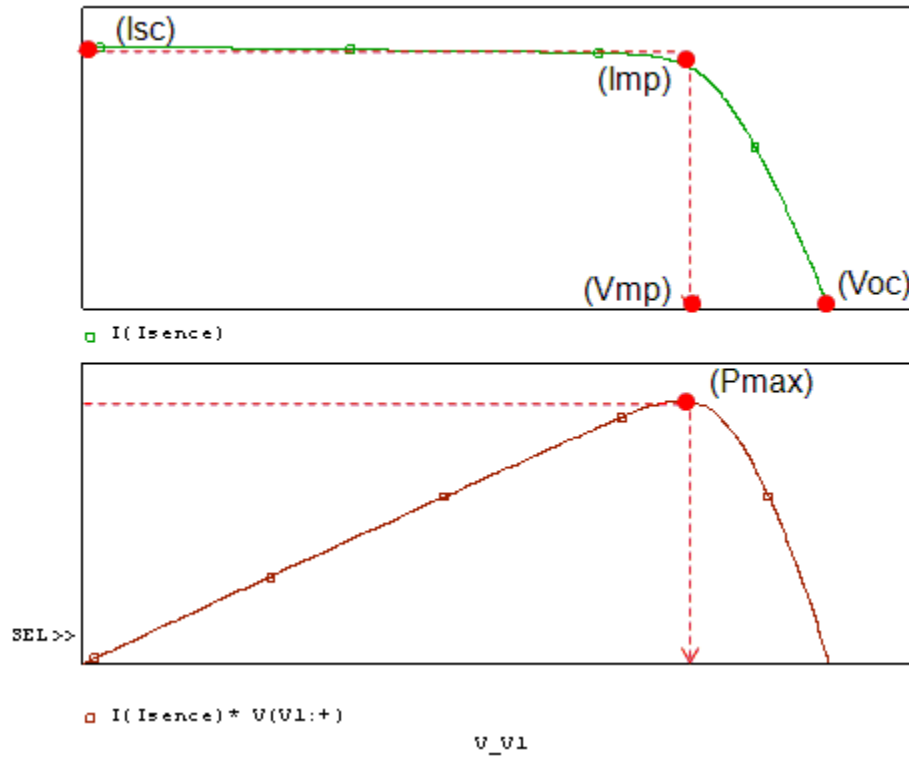
Simulation Circuit



Output Characteristic

Reference

Circuit Simulation Result



Data Table

Symbol	Measurement	Simulation	%Error
Pmax	10.000	9.911	-0.890
Vmp	17.400	17.390	-0.057
Imp	0.570	0.570	-0.014
Voc	21.600	21.589	-0.051
Isc	0.650	0.650	0.000

Data Information

No.STP010D-12/KEA	
Maximum output (Pmax)	10.000
Maximum power voltage (Vmp)	17.400
Maximum power current (Imp)	0.570
Open circuit voltage (Voc)	21.600
Short circuit current (Isc)	0.650