

Device Modeling Report

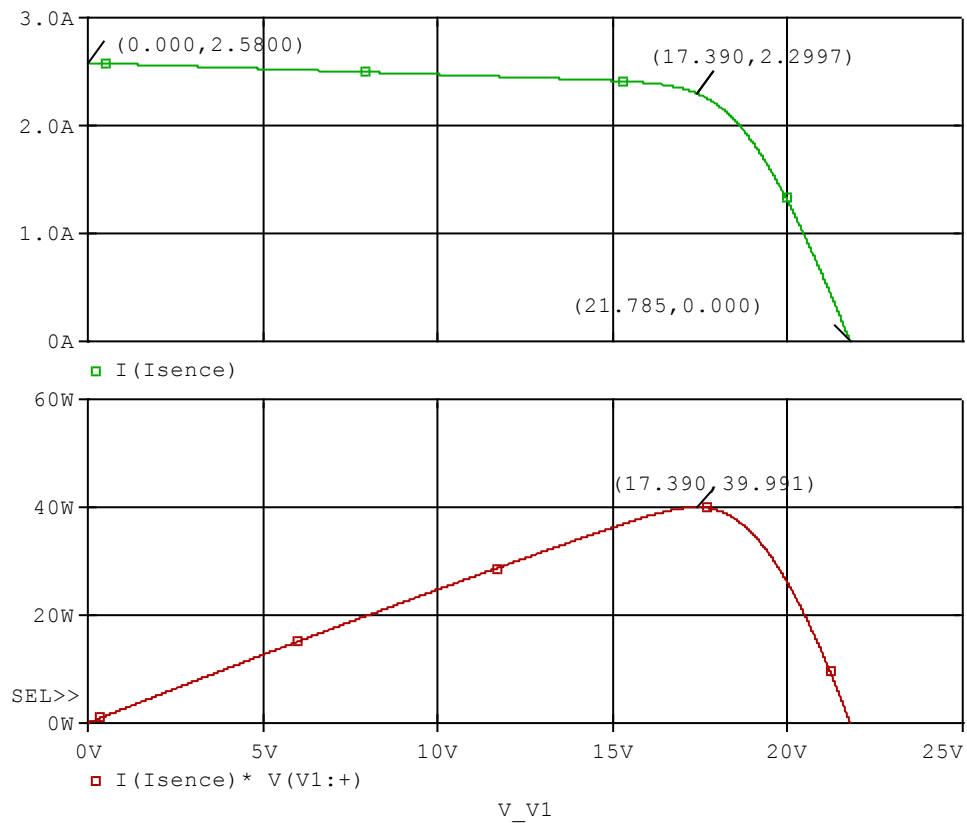
COMPONENTS: Solar Cell
PART NUMBER: STP040D-12/REA
MUNUFACTURER: Suntech Power
REMARK: Pmax=40(W)



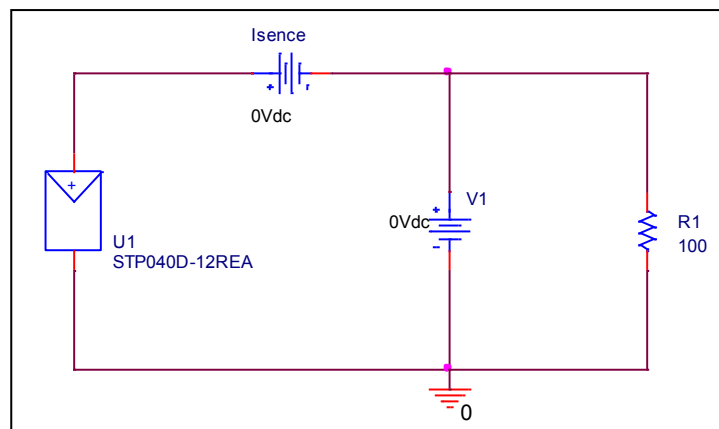
Bee Technologies Inc.

Output Characteristic

Circuit Simulation Result



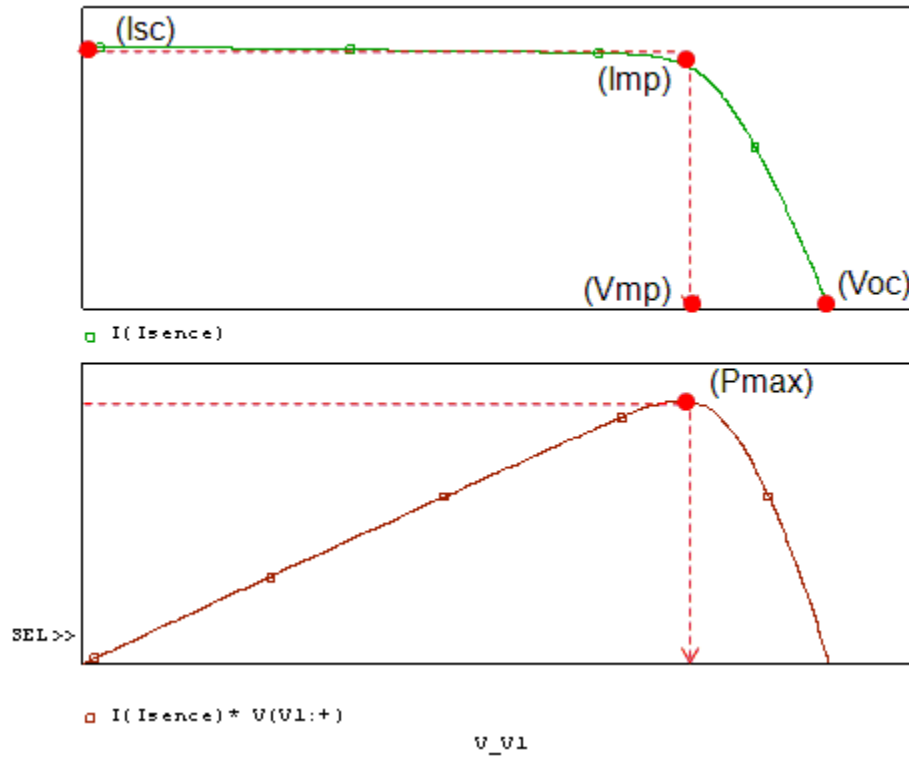
Simulation Circuit



Output Characteristic

Reference

Circuit Simulation Result



Data Table

Symbol	Measurement	Simulation	%Error
Pmax	40.000	39.991	-0.023
Vmp	17.400	17.390	-0.057
Imp	2.300	2.300	-0.013
Voc	21.800	21.785	-0.069
Isc	2.580	2.580	0.000

Data Information

No.STP040D-12/REA	
Maximum output (Pmax)	40.000
Maximum power voltage (Vmp)	17.400
Maximum power current (Imp)	2.300
Open circuit voltage (Voc)	21.800
Short circuit current (Isc)	2.580