

Device Modeling Report

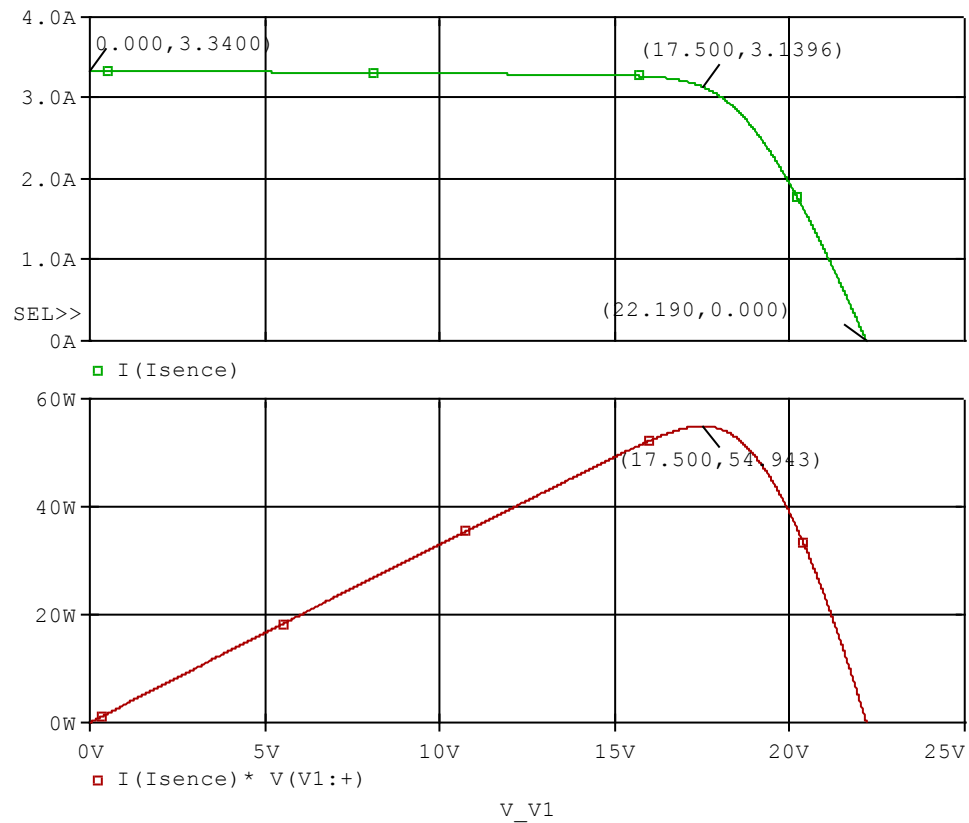
COMPONENTS: Solar Cell
PART NUMBER: STP055D-12/MEA
MUNUFACTURER: Suntech Power
REMARK: Pmax=55(W)



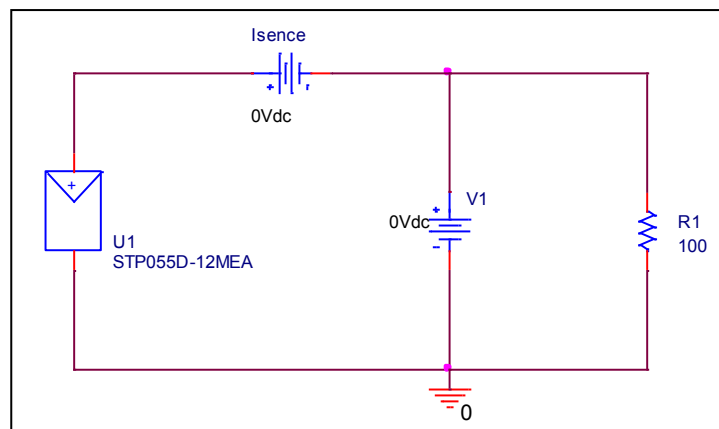
Bee Technologies Inc.

Output Characteristic

Circuit Simulation Result



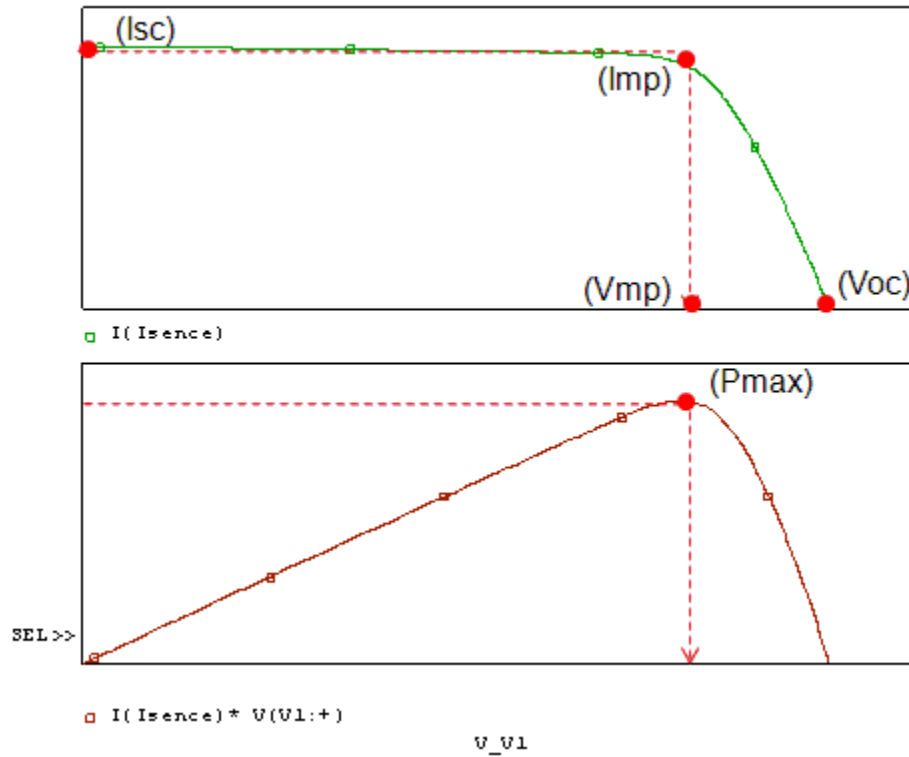
Simulation Circuit



Output Characteristic

Reference

Circuit Simulation Result



Data Table

Symbol	Measurement	Simulation	%Error
Pmax	55.000	54.943	-0.104
Vmp	17.500	17.500	0.000
Imp	3.140	3.140	-0.013
Voc	22.200	22.190	-0.045
Isc	3.340	3.340	0.000

Data Information

No.STP055D-12/MEA	
Maximum output (Pmax)	55.000
Maximum power voltage (Vmp)	17.500
Maximum power current (Imp)	3.140
Open circuit voltage (Voc)	22.200
Short circuit current (Isc)	3.340