

Device Modeling Report

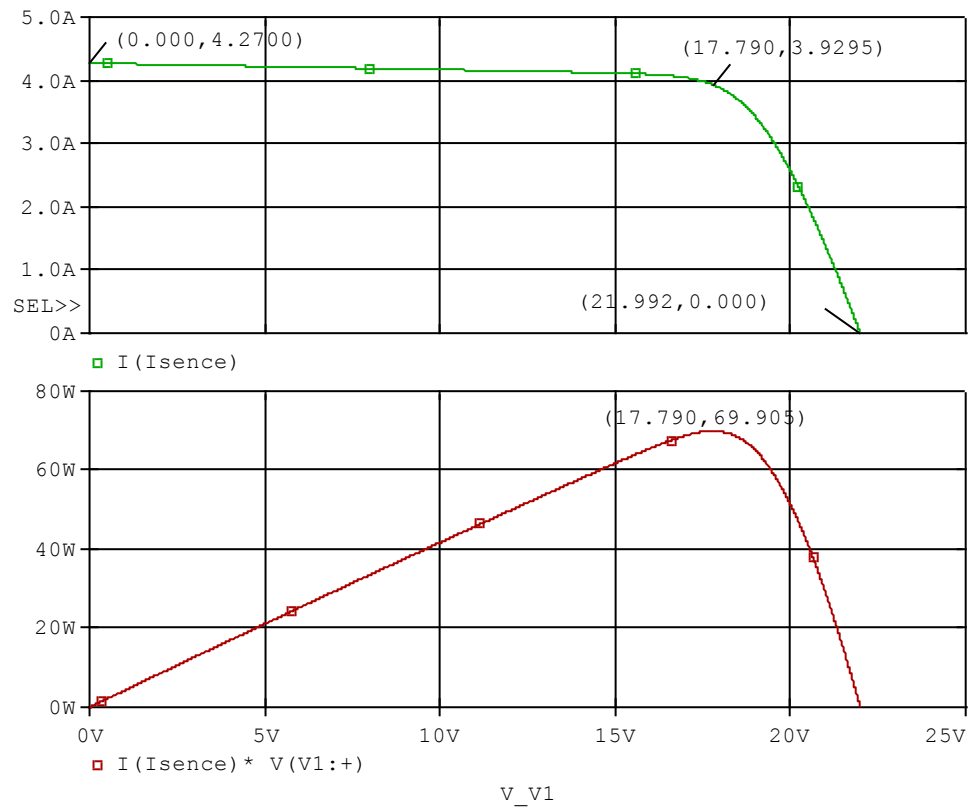
COMPONENTS: Solar Cell
PART NUMBER: STP070D-12/SEA
MUNUFACTURER: Suntech Power
REMARK: Pmax=70(W)



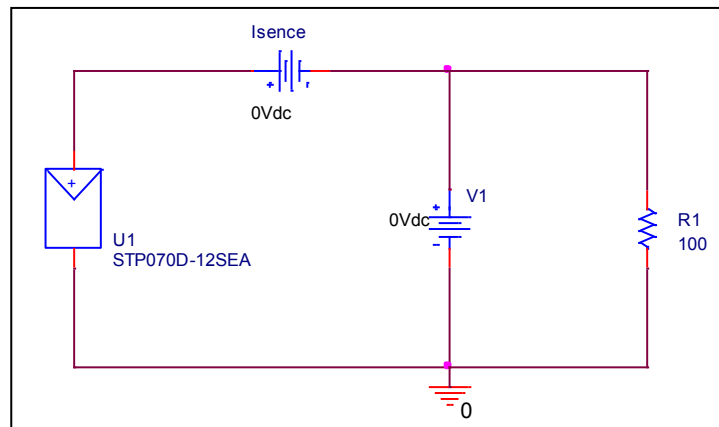
Bee Technologies Inc.

Output Characteristic

Circuit Simulation Result



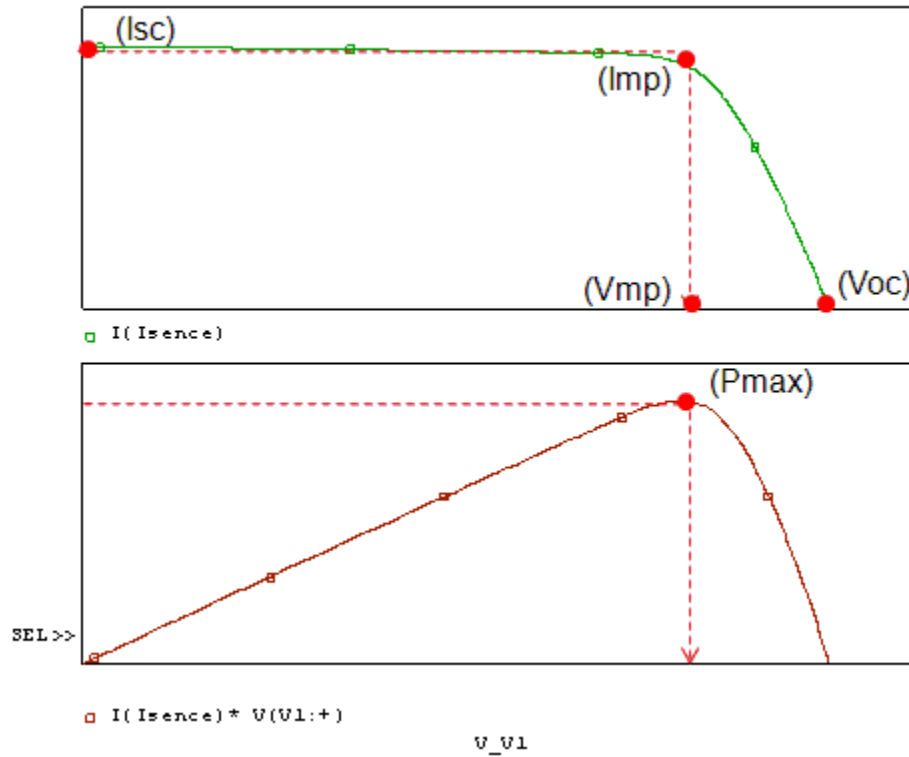
Simulation Circuit



Output Characteristic

Reference

Circuit Simulation Result



Data Table

Symbol	Measurement	Simulation	%Error
Pmax	70.000	69.905	-0.136
Vmp	17.800	17.790	-0.056
Imp	3.930	3.930	-0.013
Voc	22.000	21.992	-0.036
Isc	4.270	4.270	0.000

Data Information

No.STP070D-12/SEA	
Maximum output (Pmax)	70.000
Maximum power voltage (Vmp)	17.800
Maximum power current (Imp)	3.930
Open circuit voltage (Voc)	22.000
Short circuit current (Isc)	4.270