

Device Modeling Report

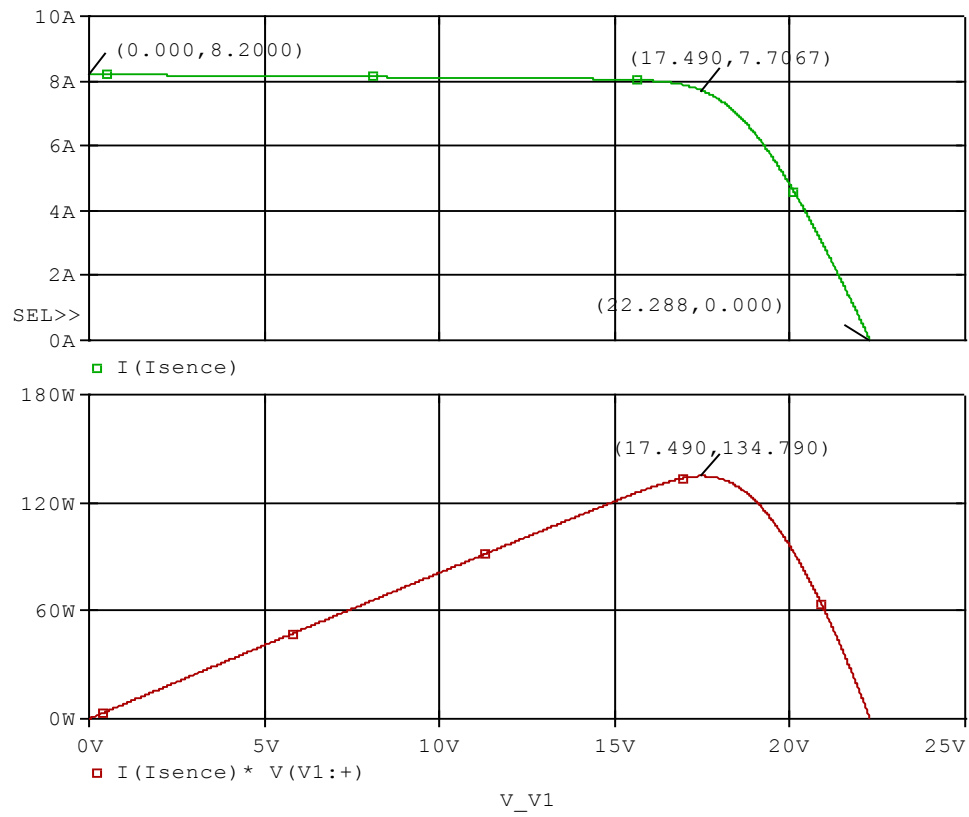
COMPONENTS: Solar Cell
PART NUMBER: STP135D-12/TEA
MUNUFACTURER: Suntech Power
REMARK: Pmax=135(W)



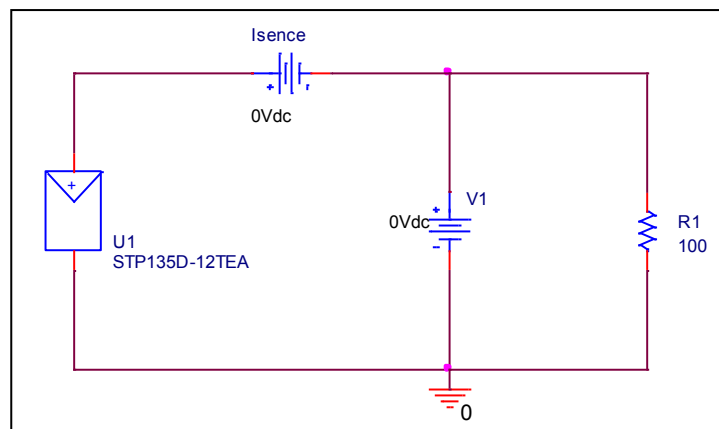
Bee Technologies Inc.

Output Characteristic

Circuit Simulation Result



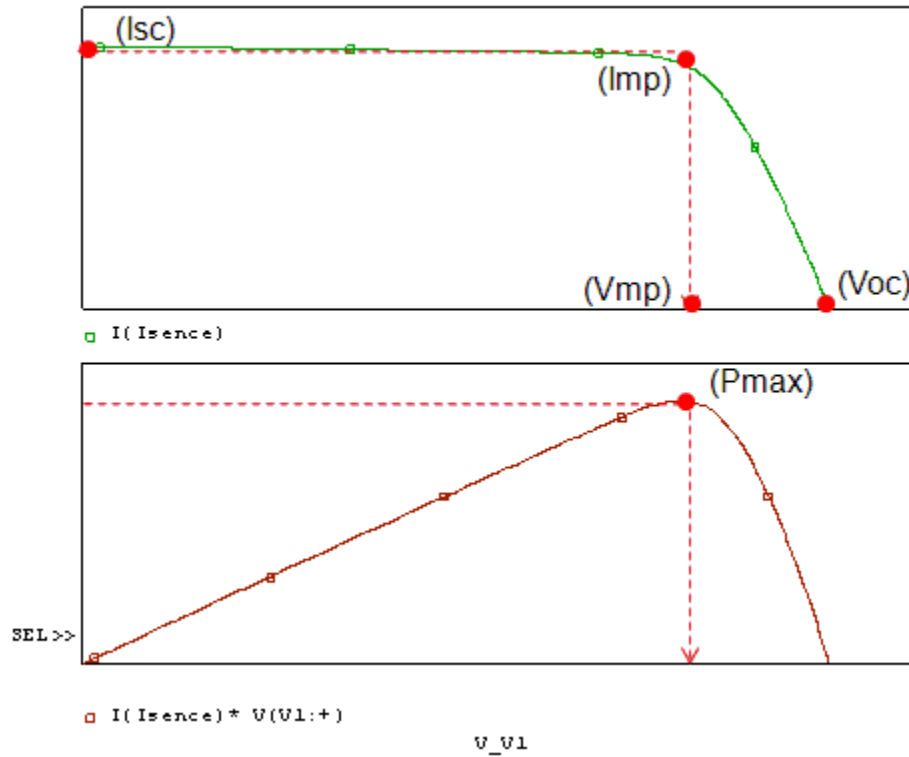
Simulation Circuit



Output Characteristic

Reference

Circuit Simulation Result



Data Table

Symbol	Measurement	Simulation	%Error
Pmax	135.000	134.790	-0.156
Vmp	17.500	17.490	-0.057
Imp	7.710	7.707	-0.043
Voc	22.300	22.288	-0.054
Isc	8.200	8.200	0.000

Data Information

No.STP135D-12/TEA	
Maximum output (Pmax)	135.000
Maximum power voltage (Vmp)	17.500
Maximum power current (Imp)	7.710
Open circuit voltage (Voc)	22.300
Short circuit current (Isc)	8.200