

Device Modeling Report

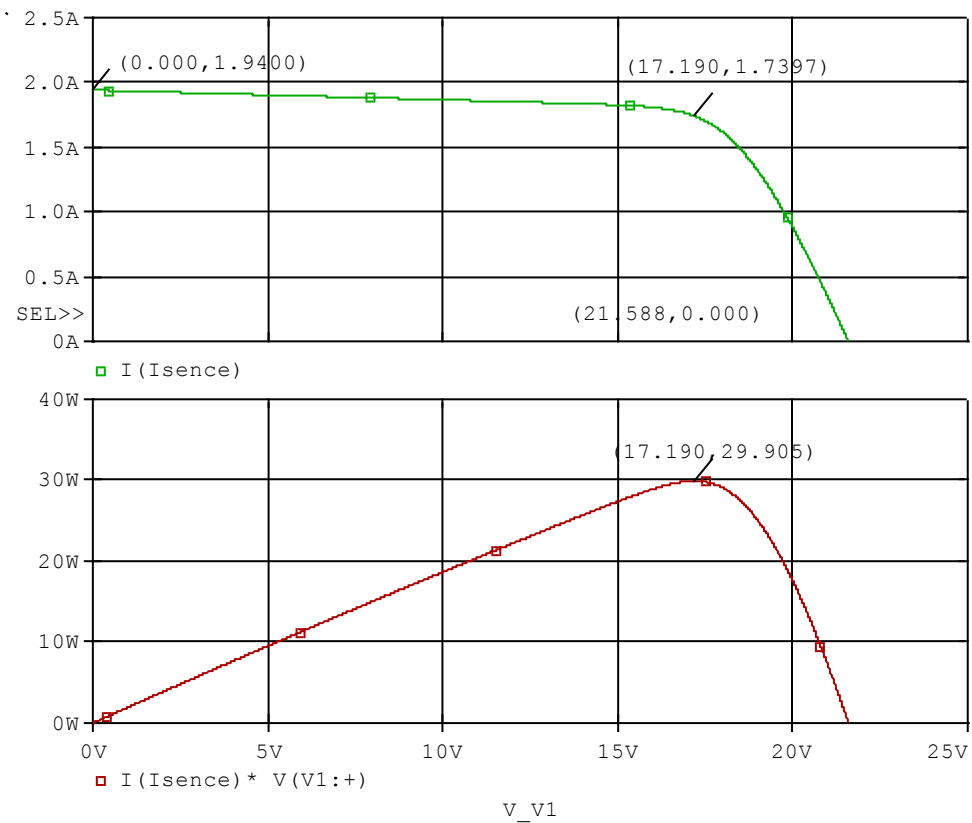
COMPONENTS: Solar Cell
PART NUMBER: STP030D-12/LEA
MUNUFACTURER: Suntech Power
REMARK: $P_{max}=30(W)$



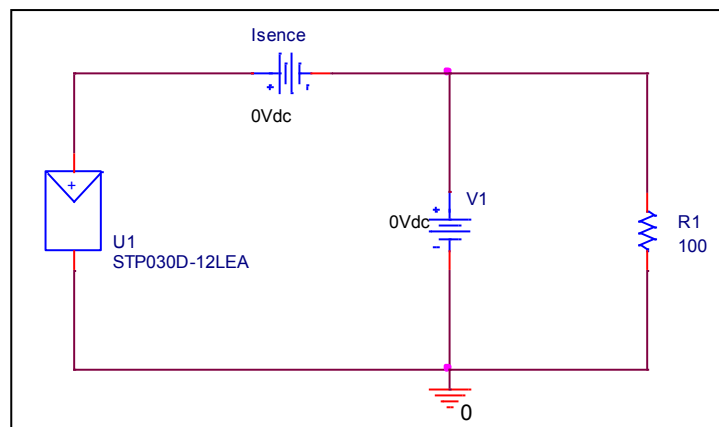
Bee Technologies Inc.

Output Characteristic

Circuit Simulation Result



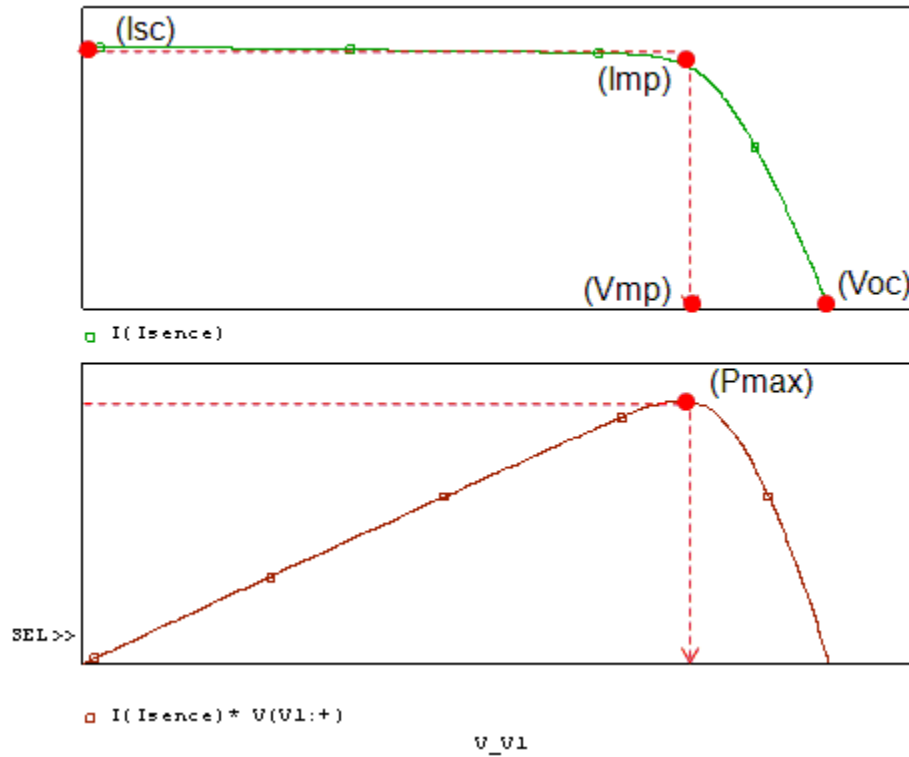
Simulation Circuit



Output Characteristic

Reference

Circuit Simulation Result



Data Table

Symbol	Measurement	Simulation	%Error
Pmax	30.000	29.905	-0.317
Vmp	17.200	17.190	-0.058
Imp	1.740	1.740	-0.017
Voc	21.600	21.588	-0.056
Isc	1.940	1.940	0.000

Data Information

No.STP030D-12/LEA	
Maximum output (Pmax)	30.000
Maximum power voltage (Vmp)	17.200
Maximum power current (Imp)	1.740
Open circuit voltage (Voc)	21.600
Short circuit current (Isc)	1.940