

Device Modeling Report

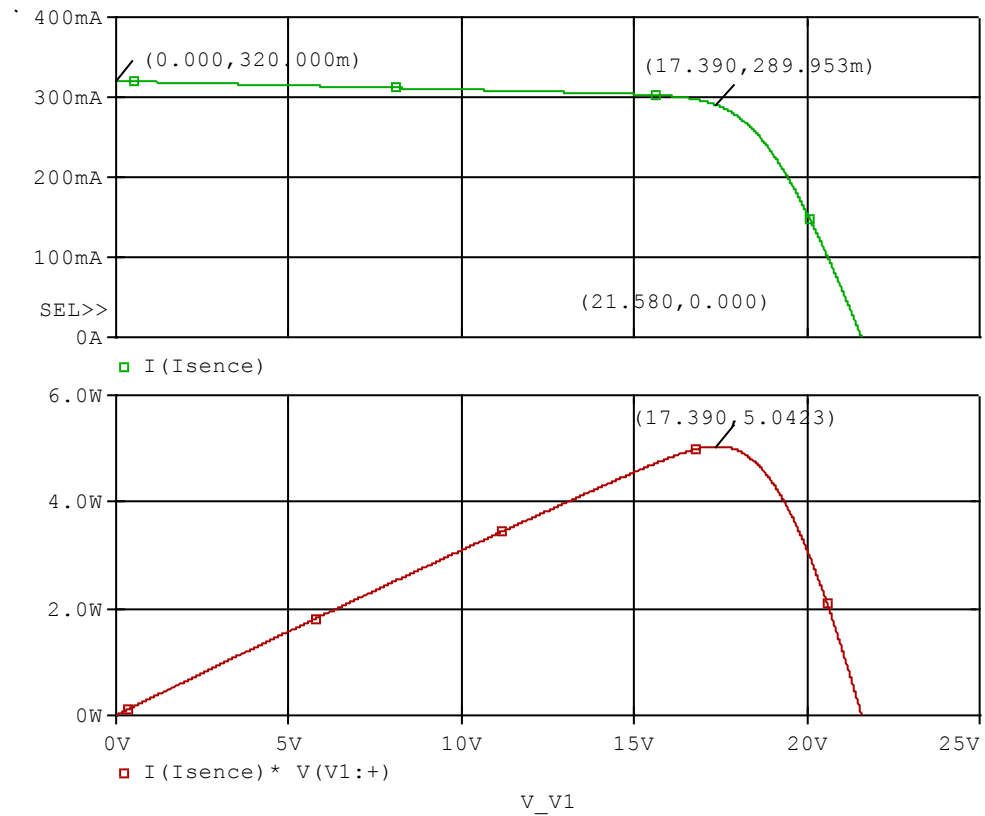
COMPONENTS: Solar Cell
PART NUMBER: STP005B-12/DEA
MUNUFACTURER: Suntech Power
REMARK: $P_{max}=5(W)$



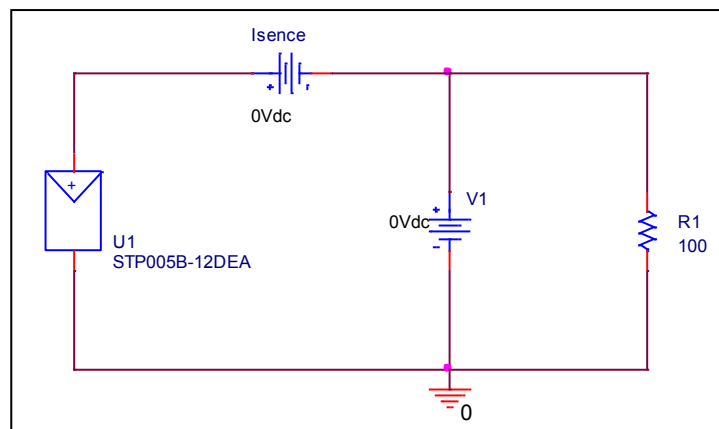
Bee Technologies Inc.

Output Characteristic

Circuit Simulation Result



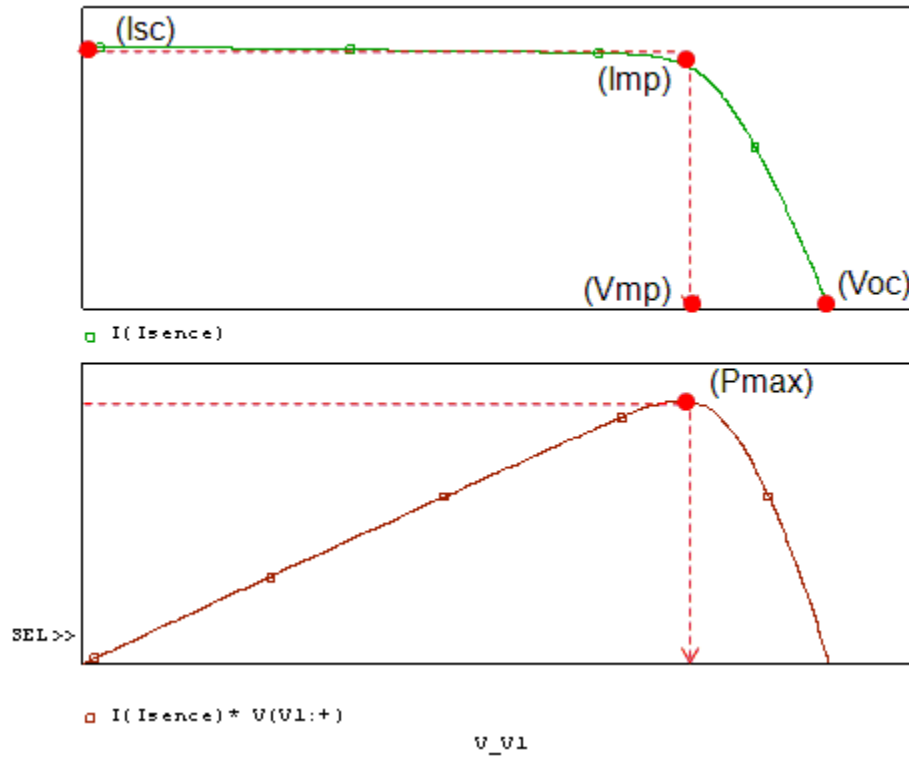
Simulation Circuit



Output Characteristic

Reference

Circuit Simulation Result



Data Table

Symbol	Measurement	Simulation	%Error
Pmax	5.000	5.042	0.846
Vmp	17.400	17.390	-0.057
Imp	0.290	0.290	-0.016
Voc	21.600	21.580	-0.093
Isc	0.320	0.320	0.000

Data Information

No.STP005B-12/DEA	
Maximum output (Pmax)	5.000
Maximum power voltage (Vmp)	17.400
Maximum power current (Imp)	0.290
Open circuit voltage (Voc)	21.600
Short circuit current (Isc)	0.320