

Device Modeling Report

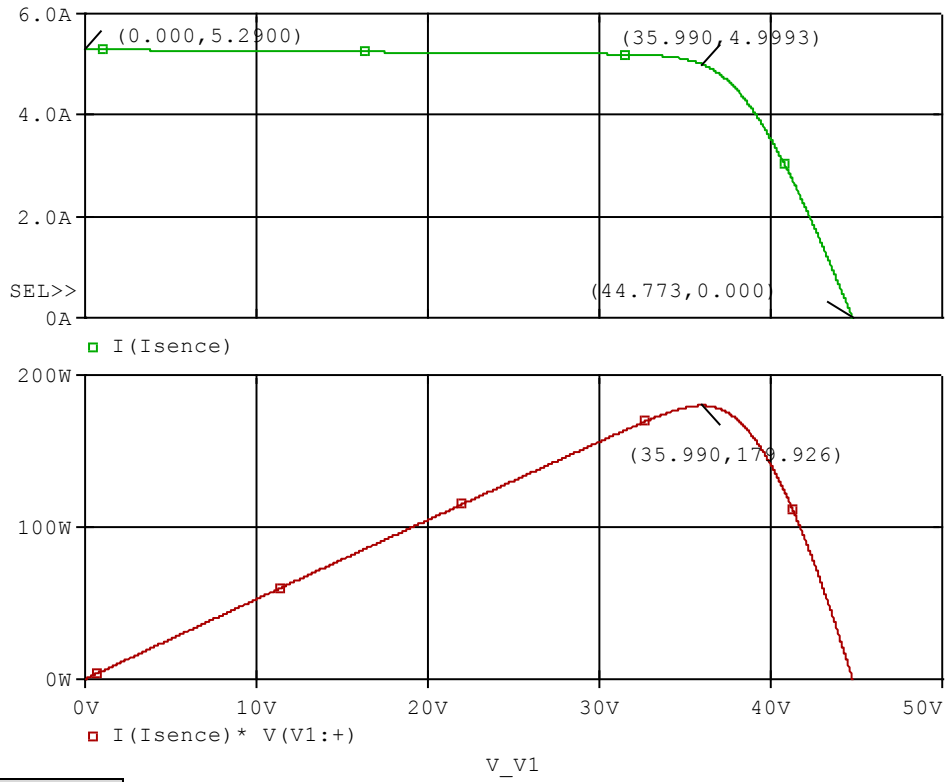
COMPONENTS: Solar Cell
PART NUMBER: STP180S-24/Ad
MUNUFACTURER: Suntech Power
REMARK: Pmax=180(W)



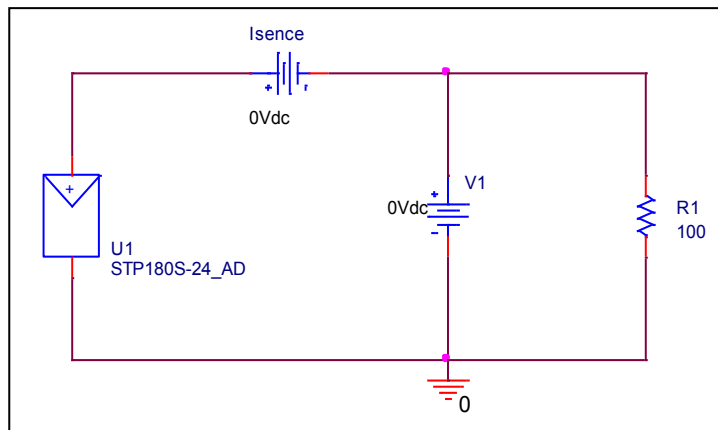
Bee Technologies Inc.

Output Characteristic

Circuit Simulation Result



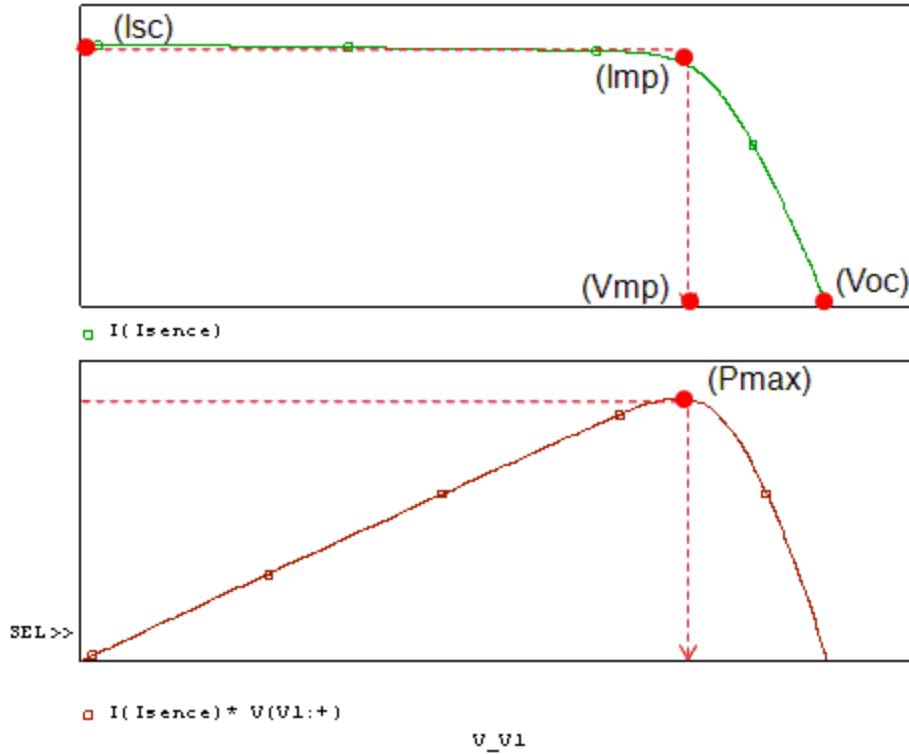
Simulation Circuit



Output Characteristic

Reference

Circuit Simulation Result



Data Table

Symbol	Measurement	Simulation	%Error
Pmax	180.0000	179.9260	-0.041
Vmp	36.0000	35.9900	-0.028
Imp	5.0000	4.9993	-0.014
Voc	44.8000	44.7730	-0.060
Isc	5.2900	5.2900	0.000

Data Information

No.STP180S-24/Ad	
Maximum output (Pmax)	180.0000
Maximum power voltage (Vmp)	36.0000
Maximum power current (Imp)	5.0000
Open circuit voltage (Voc)	44.8000
Short circuit current (Isc)	5.2900