

Device Modeling Report

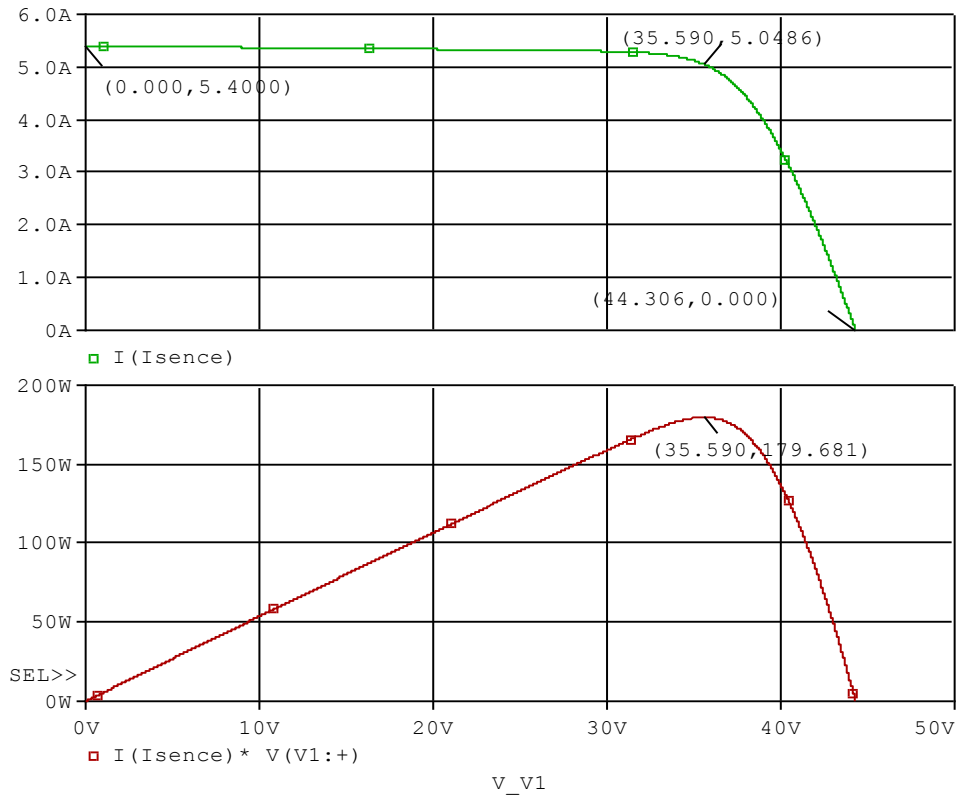
COMPONENTS: Solar Cell
PART NUMBER: STP180S-24_Ab-1
MUNUFACTURER: Suntech Power
REMARK: Pmax=180(W)



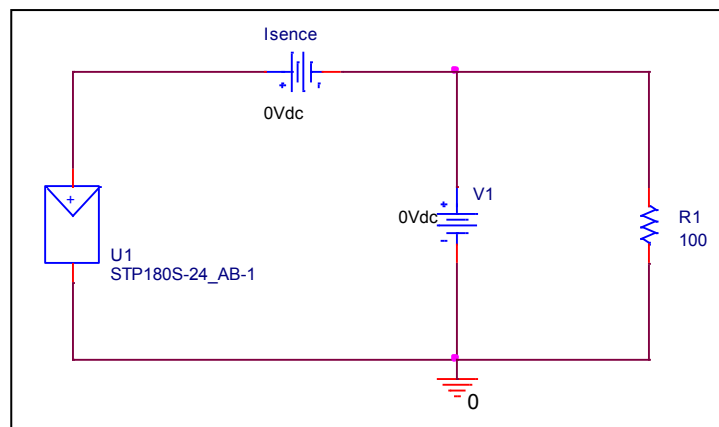
Bee Technologies Inc.

Output Characteristic

Circuit Simulation Result



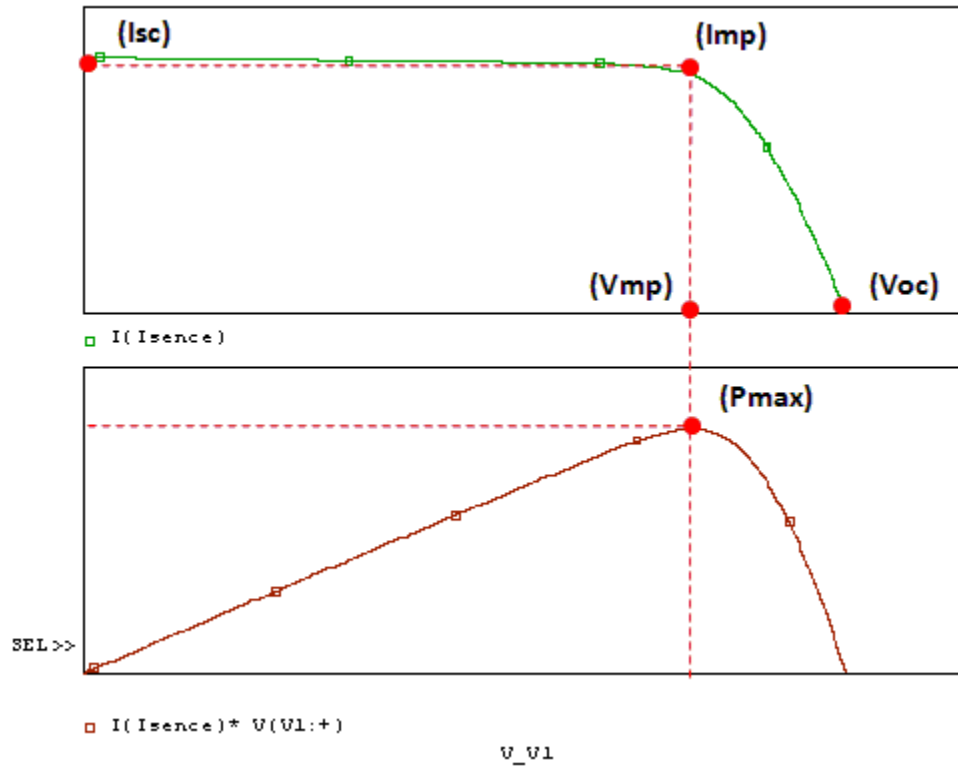
Simulation Circuit



Output Characteristic

Reference

Circuit Simulation Result



Data Table

Symbol	Measurement	Simulation	%Error
Pmax	180.000	179.681	-0.177
Vmp	35.600	35.590	-0.028
Imp	5.050	5.049	-0.028
Voc	44.400	44.306	-0.212
Isc	5.400	5.400	0.000

Data Information

No. STP180S-24_Ab-1	
Maximum output (Pmax)	180.000
Maximum power voltage (Vmp)	35.600
Maximum power current (Imp)	5.050
Open circuit voltage (Voc)	44.400
Short circuit current (Isc)	5.400