

Device Modeling Report

COMPONENTS: Solar Cell
PART NUMBER: SD46X-QPS-B
MUNUFACTURER: KYOCERA
REMARK:Pmax=46(W)
REPORT of SolarCells (LTspice IV)



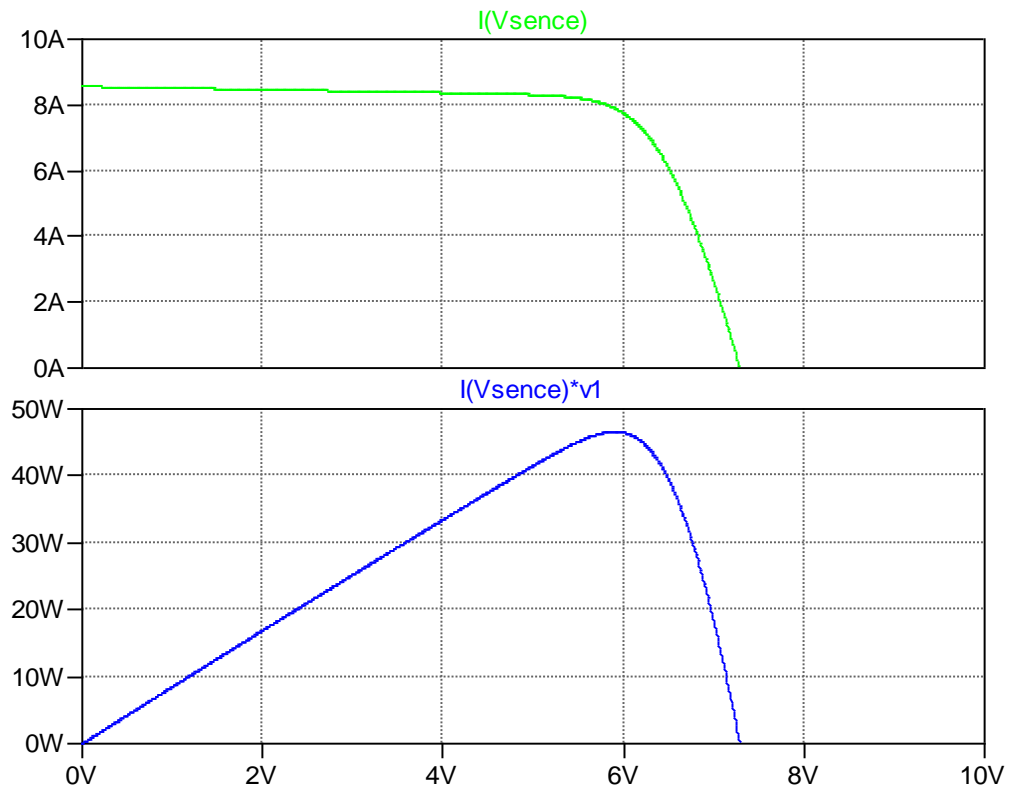
Bee Technologies Inc.

Circuit Configuration

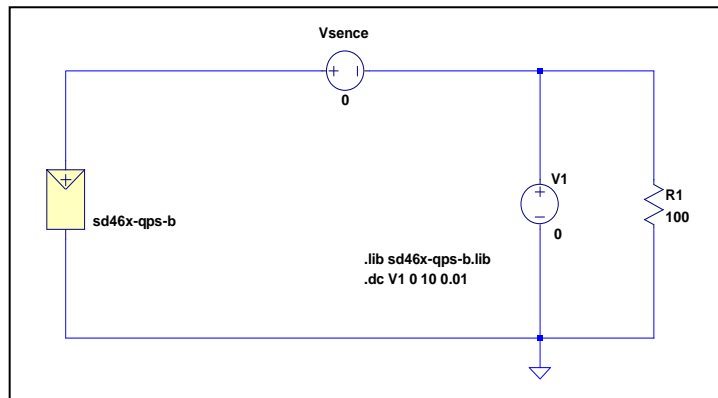


Output Characteristic

Circuit Simulation Result



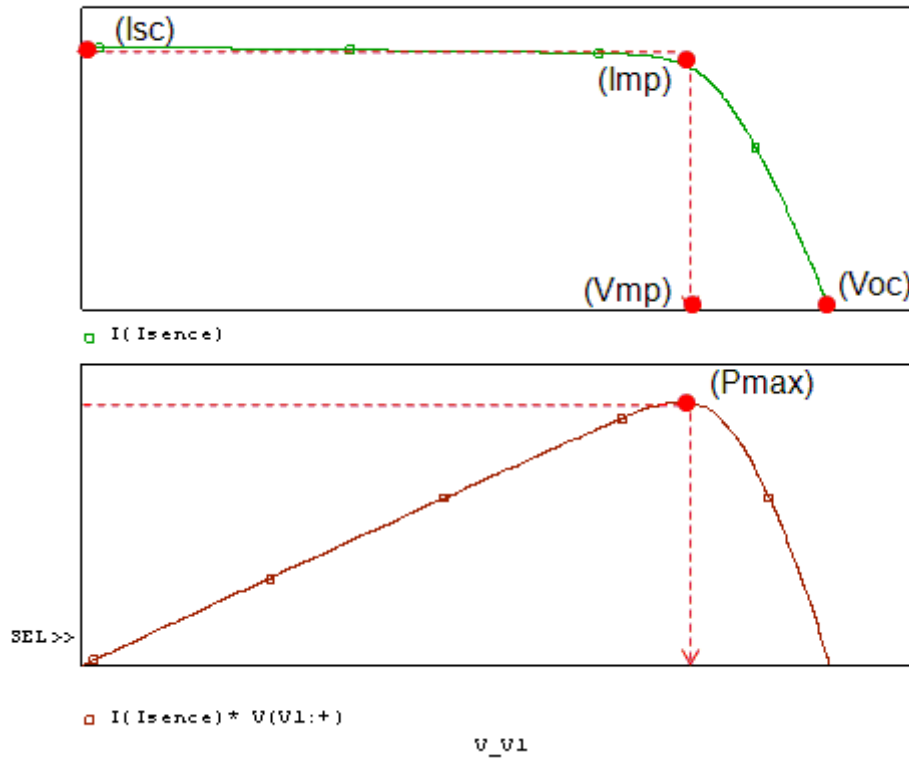
Simulation Circuit



Output Characteristic

Reference

Circuit Simulation Result



Data Table

Symbol	Measurement	Simulation	%Error
Pmax	46.0000	46.5770	1.254
Vmp	5.9000	5.8970	-0.051
Imp	7.9000	7.8984	-0.020
Isc	8.5900	8.5607	-0.341
Voc	7.3000	7.2868	-0.181

Data Information

No. SD46X-QPS-B	
Maximum power(Pmax)	46W
Voltage at Pmax(Vmp)	5.9V
Current at Pmax(Imp)	7.9A
Short-circuit current(Isc)	8.59A
Open-circuit voltage(Voc)	7.3V