

Device Modeling Report

COMPONENTS: Solar Cell
PART NUMBER: SD62X-QPS-B
MUNUFACTURER: KYOCERA
REMARK:Pmax=62(W)
REPORT of Solar Cells (LTspice IV)



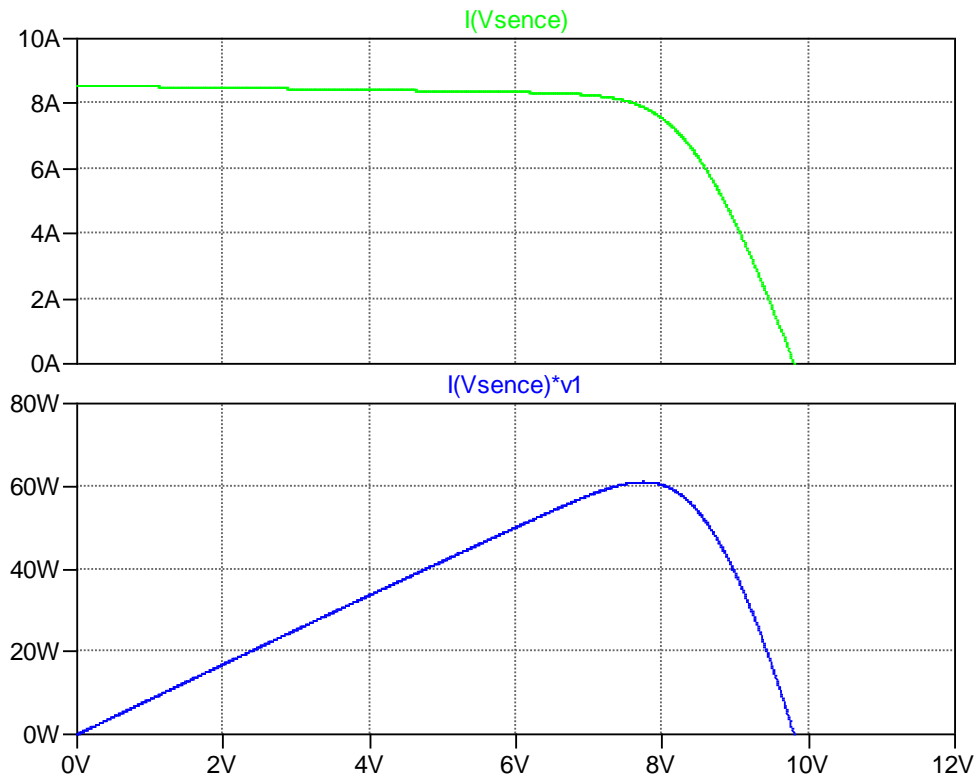
Bee Technologies Inc.

Circuit Configuration

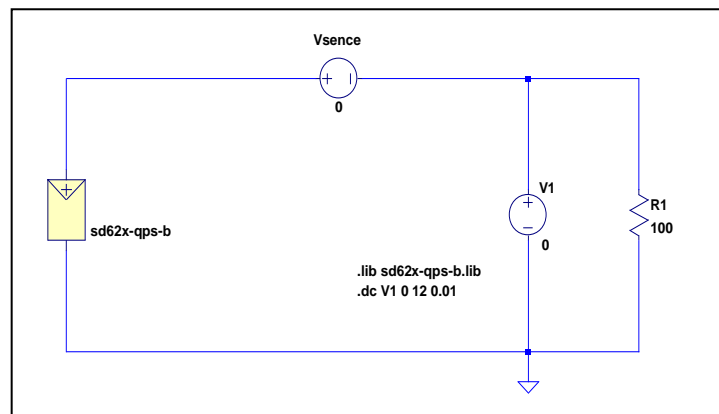


Output Characteristic

Circuit Simulation Result



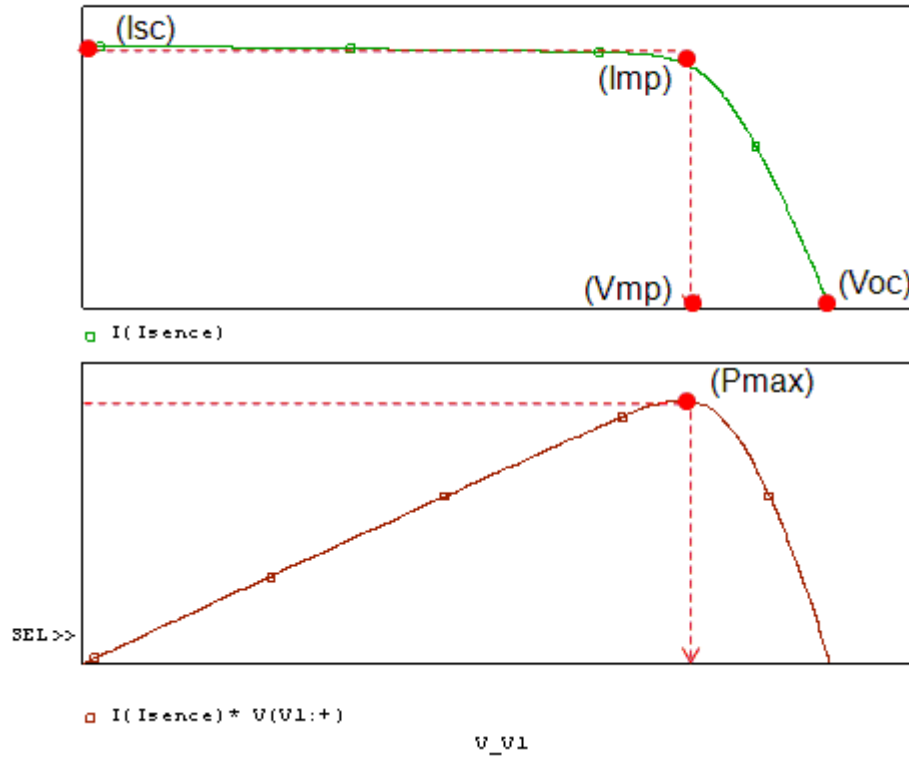
Simulation Circuit



Output Characteristic

Reference

Circuit Simulation Result



Data Table

Symbol	Measurement	Simulation	%Error
Pmax	62.0000	61.0270	-1.569
Vmp	7.9000	7.7320	-2.127
Imp	7.9000	7.8928	-0.091
Isc	8.5900	8.5545	-0.413
Voc	9.8000	9.7930	-0.071

Data Information

No. SD62X-QPS-B	
Maximum power(Pmax)	62W
Voltage at Pmax(Vmp)	7.9V
Current at Pmax(Imp)	7.9A
Short-circuit current(Isc)	8.59A
Open-circuit voltage(Voc)	9.8V