

Device Modeling Report

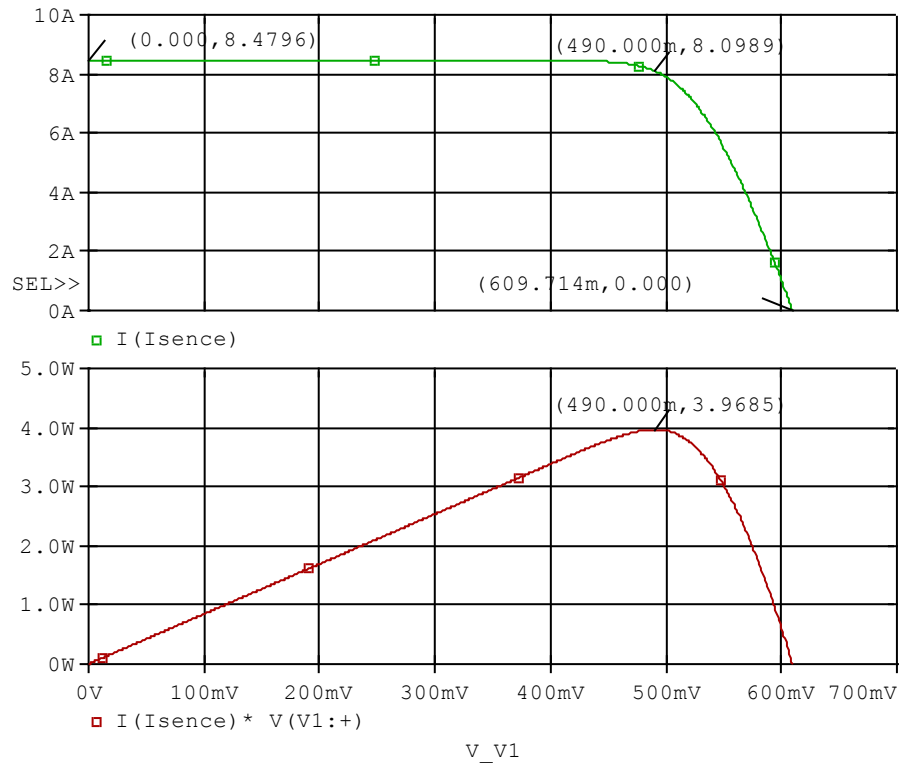
COMPONENTS: Solar Cell
PART NUMBER: Q6LM-1680
MANUFACTURER: Q.CELLS
REMARK: $P_{max}=3.97(W)$



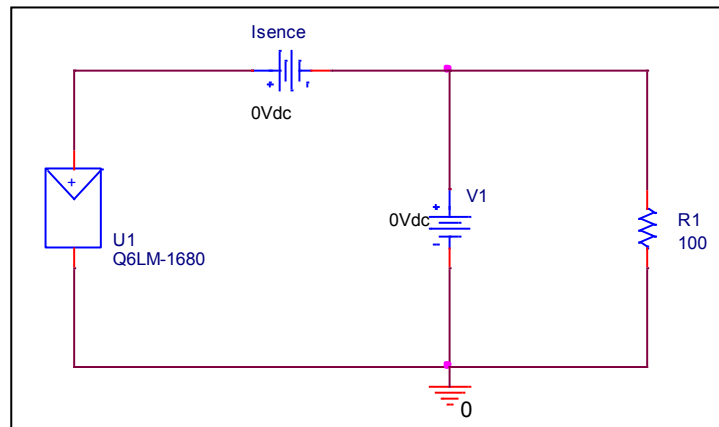
Bee Technologies Inc.

Output Characteristic

Circuit Simulation Result



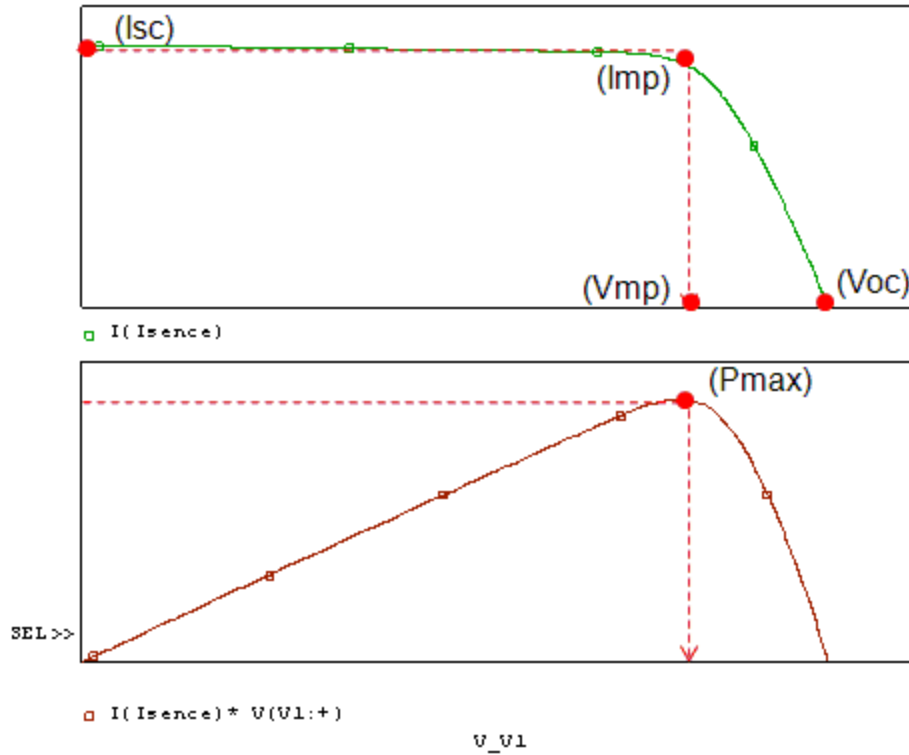
Simulation Circuit



Output Characteristic

Reference

Circuit Simulation Result



Data Table

Symbol	Measurement	Simulation	%Error
Pmax	3.9700	3.9685	-0.038
Vmp	0.4901	0.4900	-0.025
Imp	8.1000	8.0989	-0.014
Voc	0.6100	0.6097	-0.047
Isc	8.4800	8.4796	-0.005

Data Information

No. Q6LM-1680	
Maximum output (Pmax)	3.97(W)
Maximum power voltage (Vmp)	0.4901(V)
Maximum power current (Imp)	8.1(A)
Open circuit voltage (Voc)	0.61(V)
Short circuit current (Isc)	8.48(A)