

Device Modeling Report

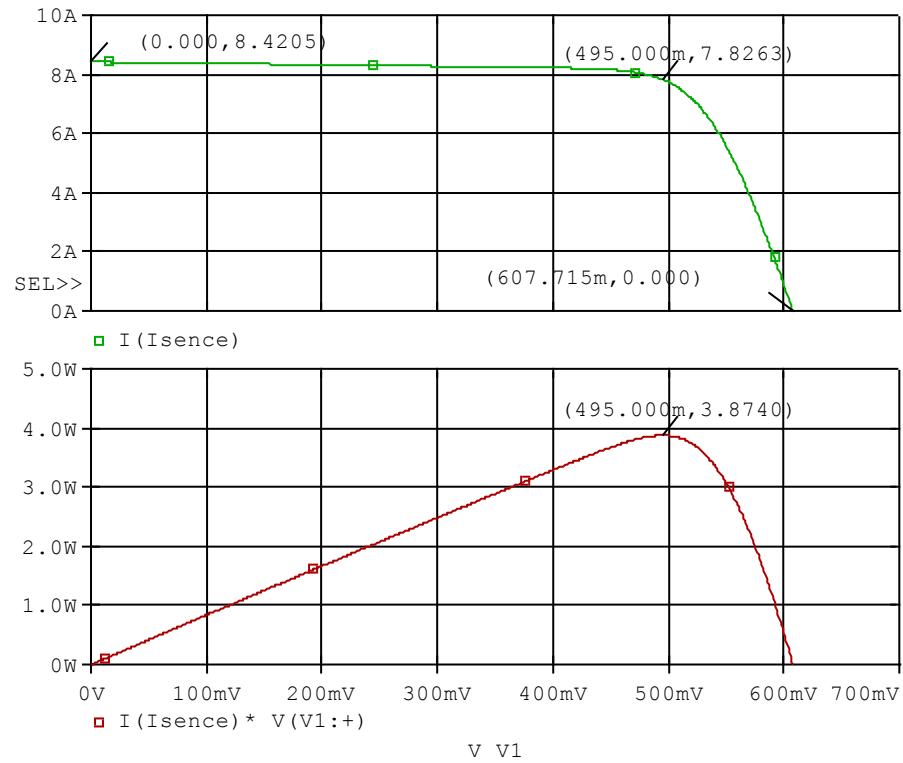
COMPONENTS: Solar Cell
PART NUMBER: Q6LM-1640
MANUFACTURER: Q.CELLS
REMARK: $P_{max}=3.88(W)$



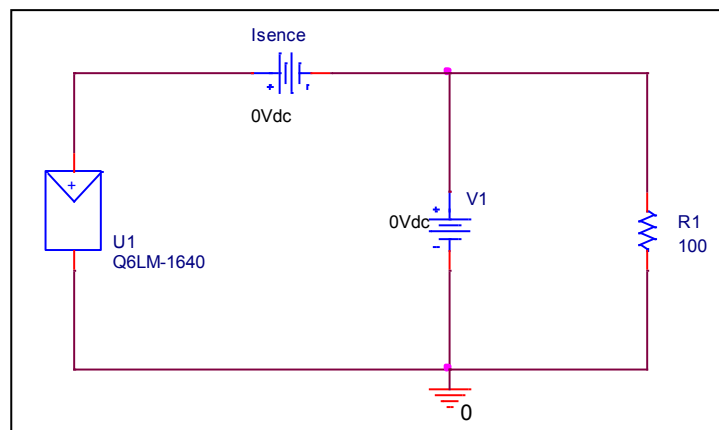
Bee Technologies Inc.

Output Characteristic

Circuit Simulation Result



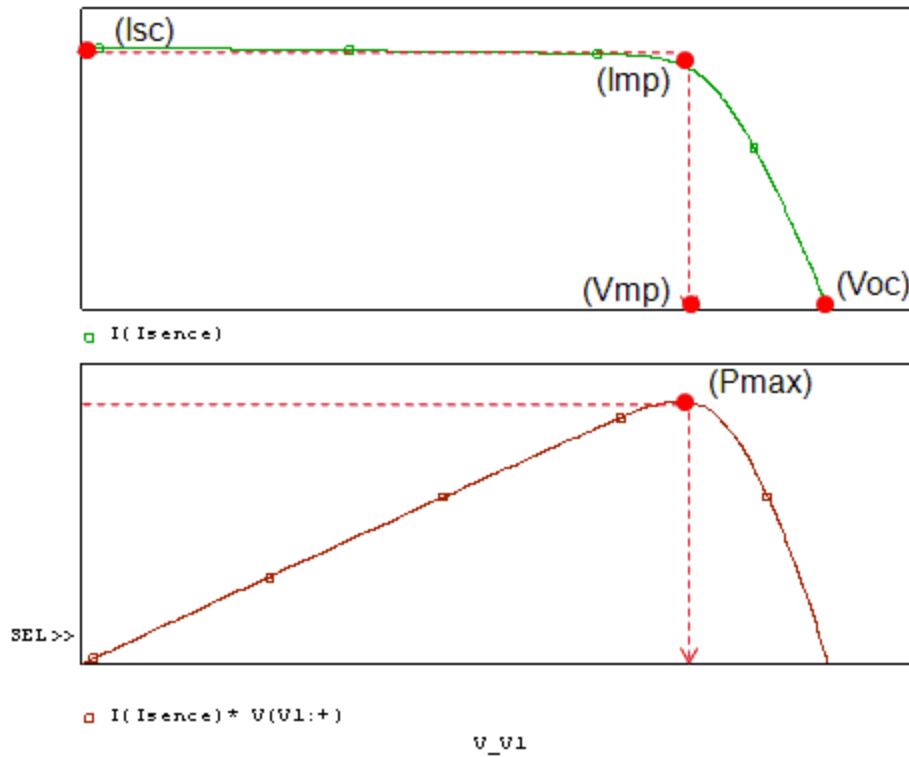
Simulation Circuit



Output Characteristic

Reference

Circuit Simulation Result



Data Table

Symbol	Measurement	Simulation	%Error
Pmax	3.8800	3.8740	-0.155
Vmp	0.4955	0.4950	-0.107
Imp	7.8300	7.8263	-0.047
Voc	0.6080	0.6077	-0.047
Isc	8.4300	8.4205	-0.113

Data Information

No. Q6LM-1640	
Maximum output (Pmax)	3.88(W)
Maximum power voltage (Vmp)	0.4955(V)
Maximum power current (Imp)	7.83(A)
Open circuit voltage (Voc)	0.608(V)
Short circuit current (Isc)	8.43(A)