

Device Modeling Report

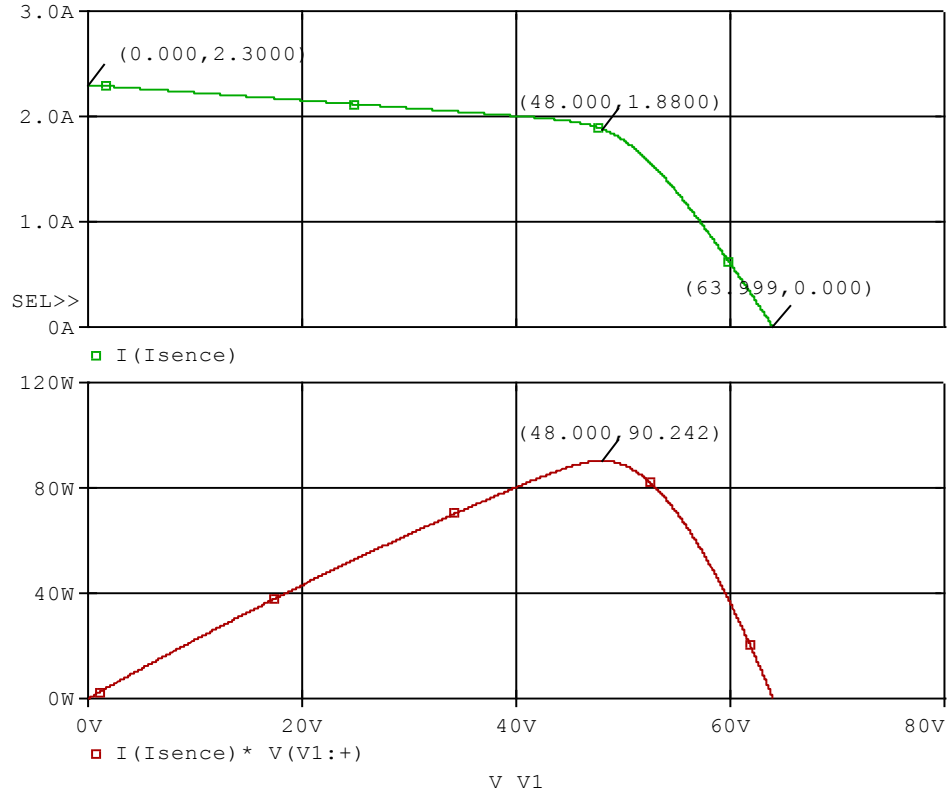
COMPONENTS: Solar Cell
PART NUMBER: NA-H090B1
MANUFACTURER: SHARP
REMARK: Pmax=90(W)



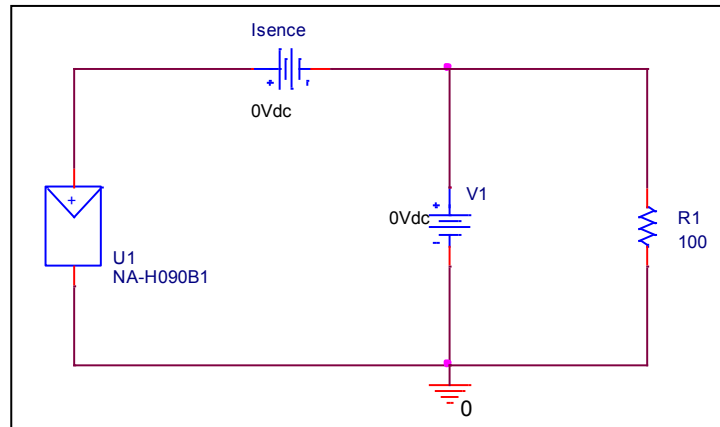
Bee Technologies Inc.

Output Characteristic

Circuit Simulation Result



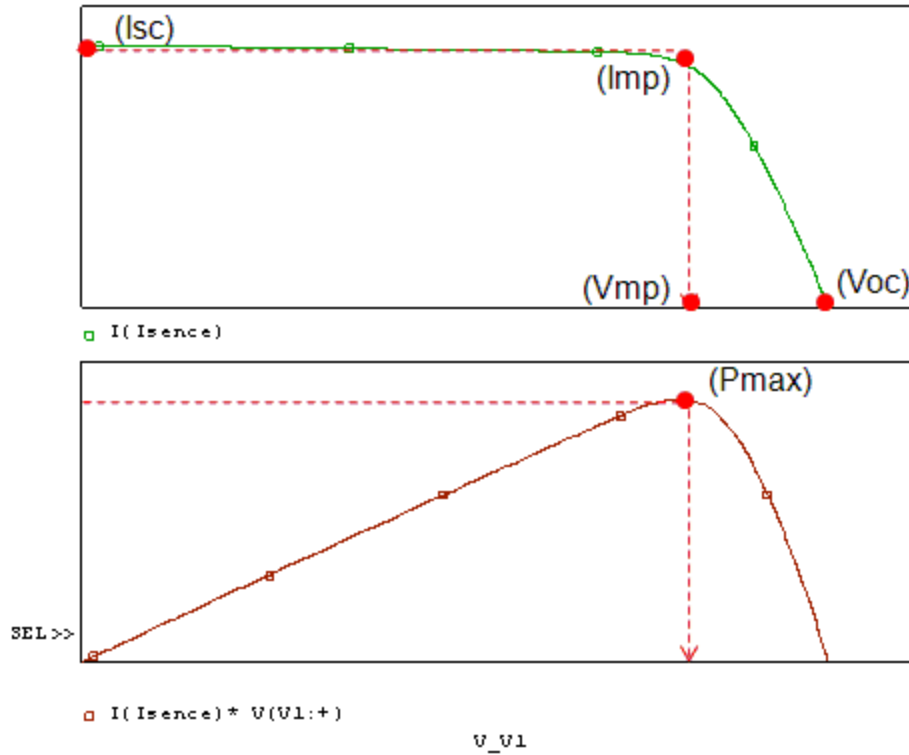
Simulation Circuit



Output Characteristic

Reference

Circuit Simulation Result



Data Table

Symbol		Measurement	Simulation	%Error
Pmax	W	90.000	90.242	0.269
Vmp	V	48.000	48.000	0.000
Imp	A	1.880	1.880	0.000
Voc	V	64.000	63.999	-0.002
Isc	A	2.300	2.300	0.000

Data Information

No. NA-H090B1	
Maximum output (Pmax)	90W
Maximum power voltage (Vmp)	48.0V
Maximum power current (Imp)	1.88A
Open circuit voltage (Voc)	64.0V
Short circuit current (Isc)	2.30A