

Device Modeling Report

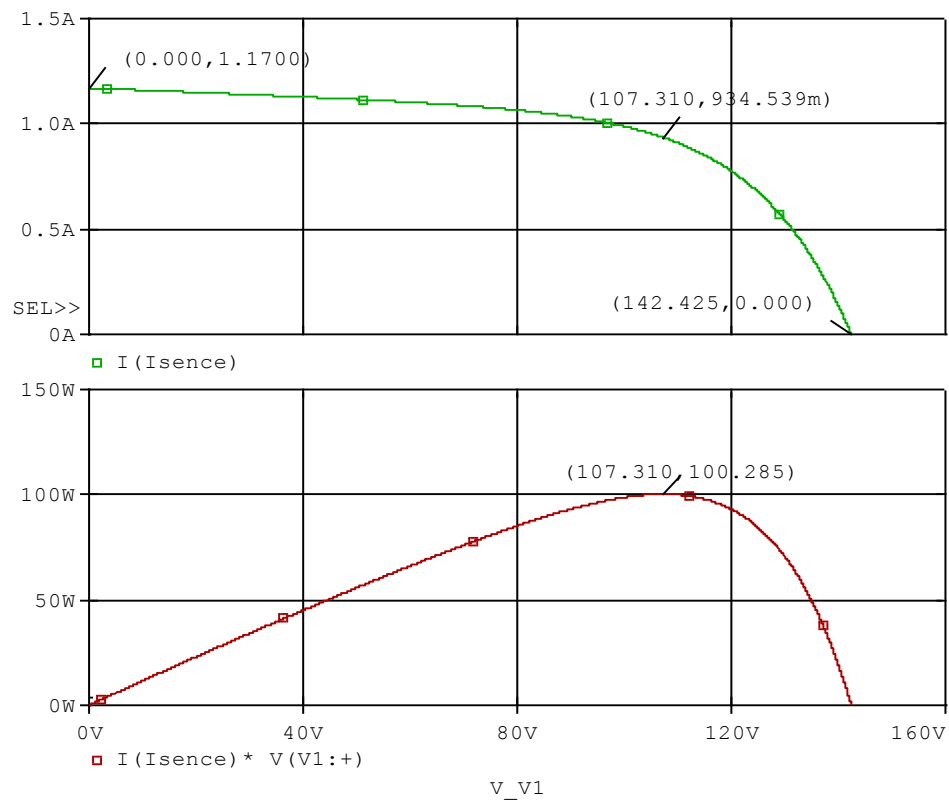
COMPONENTS: Solar Cell
PART NUMBER: MA100
MANUFACTURER: MITSUBISHI HEAVY INDUSTRIES
REMARK: $P_{max} = 100(W)$



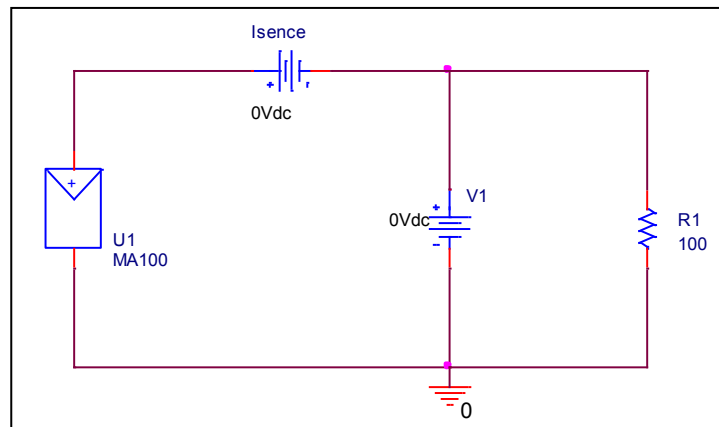
Bee Technologies Inc.

Output Characteristic

Circuit Simulation Result



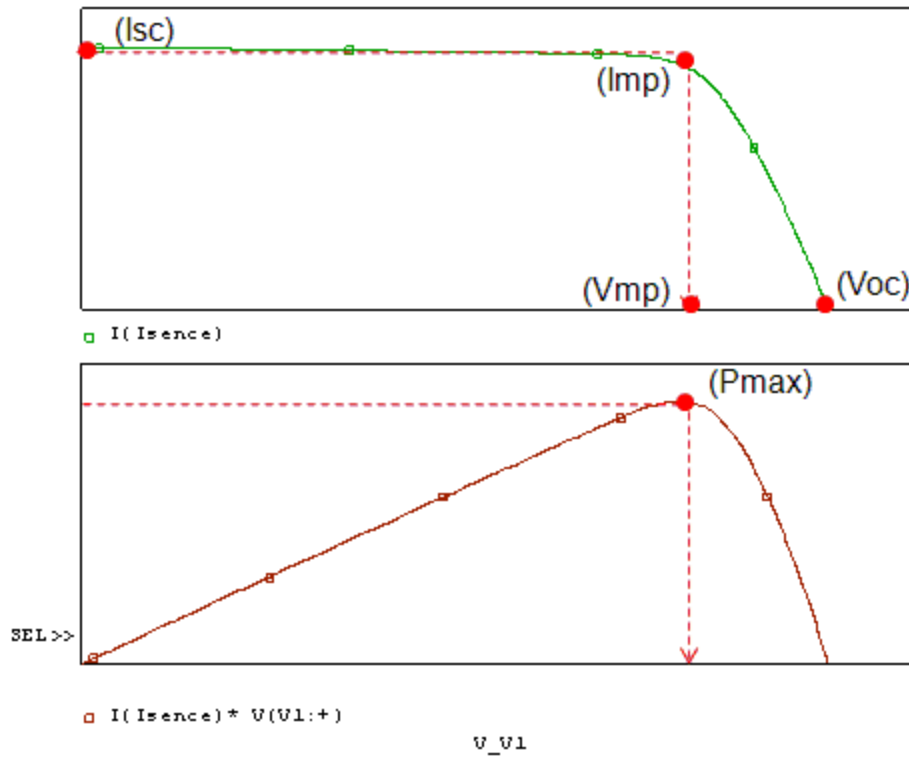
Simulation Circuit



Output Characteristic

Reference

Circuit Simulation Result



Data Table

Symbol	Measurement	Simulation	%Error
Pmax	100.000	100.285	0.285
Vmp	108.000	107.310	-0.639
Imp	0.930	0.935	0.488
Voc	141.000	142.425	1.011
Isc	1.170	1.170	0.000

Data Information

No. MA100	
Maximum output (Pmax)	100.000
Maximum power voltage (Vmp)	108.000
Maximum power current (Imp)	0.930
Open circuit voltage (Voc)	141.000
Short circuit current (Isc)	1.170