

Device Modeling Report

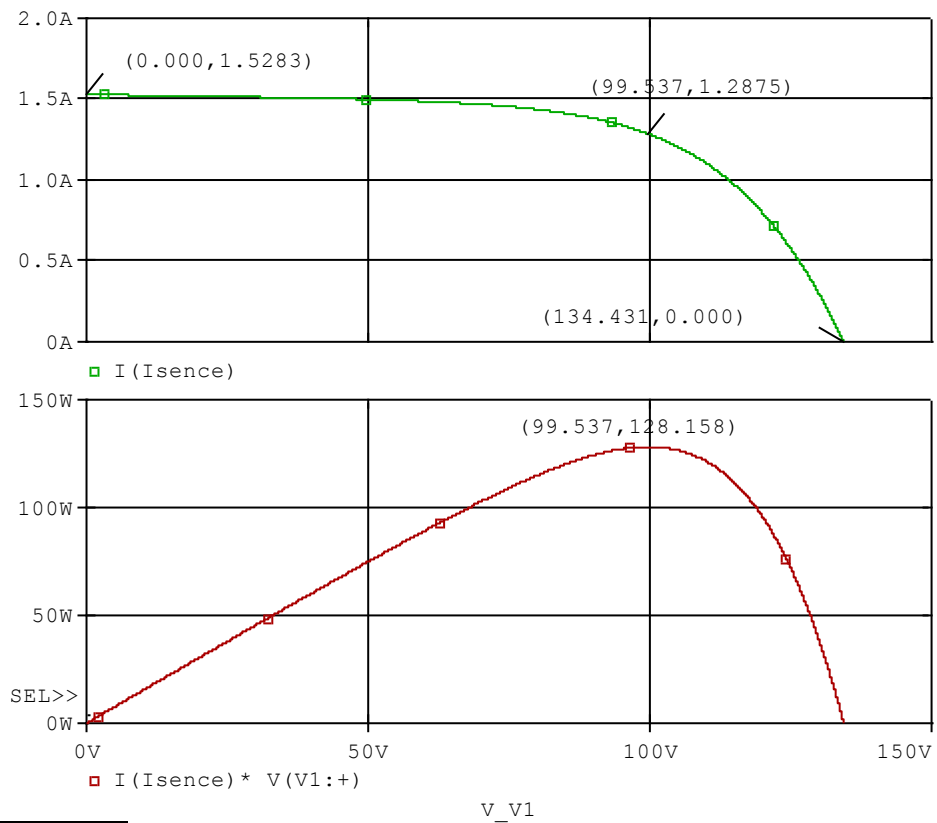
COMPONENTS: Solar Cell
PART NUMBER: MT130
MANUFACTURER: MITSUBISHI HEAVY INDUSTRIES
REMARK: $P_{max}=130(W)$



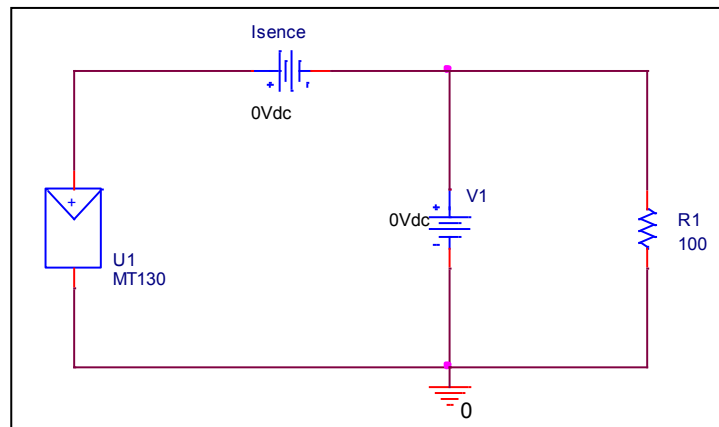
Bee Technologies Inc.

Output Characteristic

Circuit Simulation Result



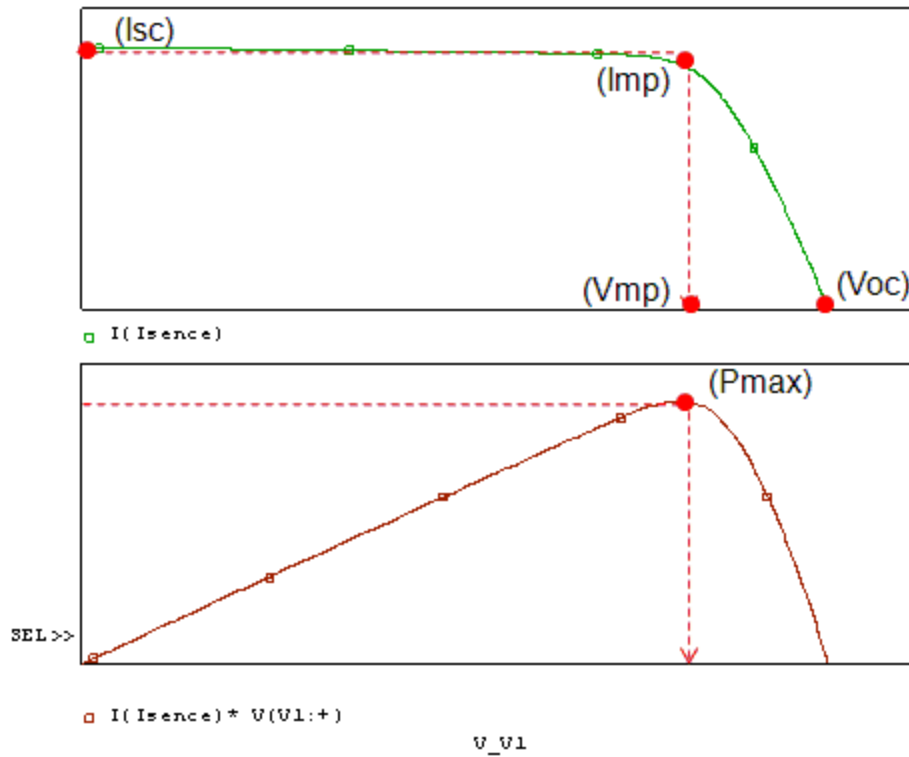
Simulation Circuit



Output Characteristic

Reference

Circuit Simulation Result



Data Table

Symbol	Measurement	Simulation	%Error
Pmax	130.000	128.158	-1.417
Vmp	101.000	99.537	-1.449
Imp	1.290	1.288	-0.194
Voc	131.000	134.431	2.619
Isc	1.530	1.528	-0.111

Data Information

No. MT130	
Maximum output (Pmax)	130.000
Maximum power voltage (Vmp)	101.000
Maximum power current (Imp)	1.290
Open circuit voltage (Voc)	131.000
Short circuit current (Isc)	1.530