

Device Modeling Report

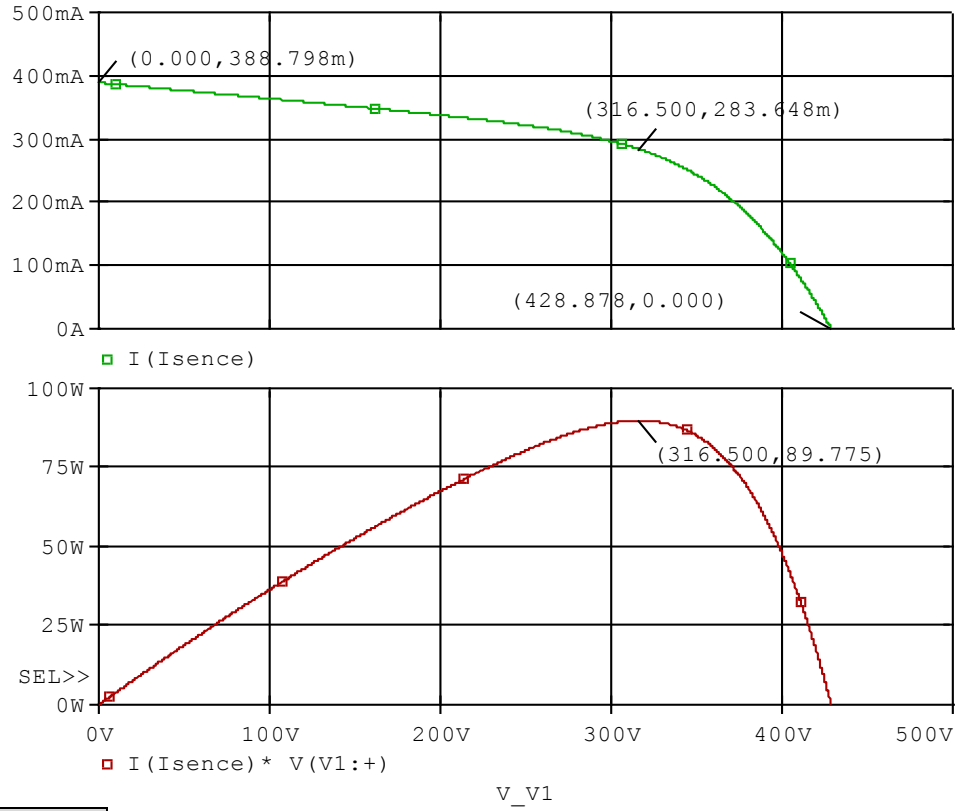
COMPONENTS: Solar Cell
PART NUMBER: FPV2090SFM1
MANUFACTURER: Fuji Electric Systems
REMARK: Pmax=90(W)



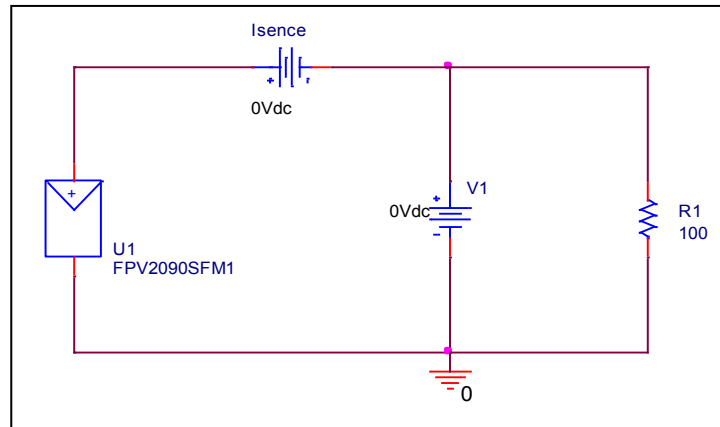
Bee Technologies Inc.

Output Characteristic

Circuit Simulation Result



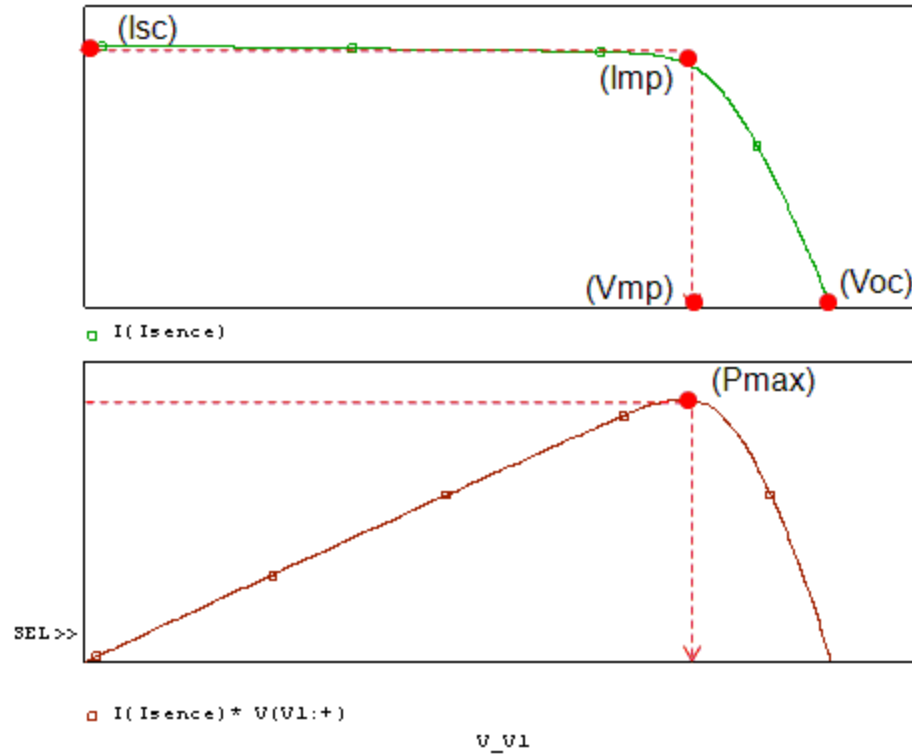
Simulation Circuit



Output Characteristic

Reference

Circuit Simulation Result



Data Table

Symbol	Measurement	Simulation	%Error
Pmax	90.000	89.775	-0.250
Vmp	316.900	316.500	-0.126
Imp	0.2840	0.2836	-0.124
Voc	429.000	428.878	-0.028
Isc	0.389	0.389	0.000

Data Information

No. FPV2090SFM1	
Maximum output (Pmax)	90.000
Maximum power voltage (Vmp)	316.900
Maximum power current (Imp)	0.284
Open circuit voltage (Voc)	429.000
Short circuit current (Isc)	0.389