

Device Modeling Report

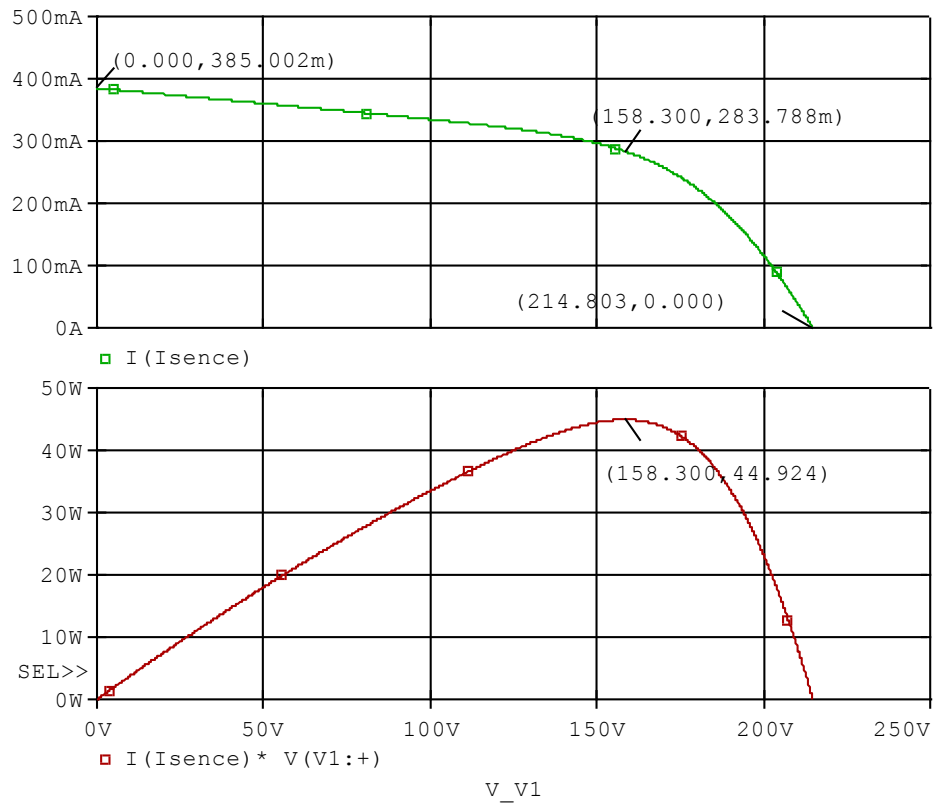
COMPONENTS: Solar Cell
PART NUMBER: FPV2045SFM1
MANUFACTURER: Fuji Electric Systems
REMARK: Pmax=45(W)



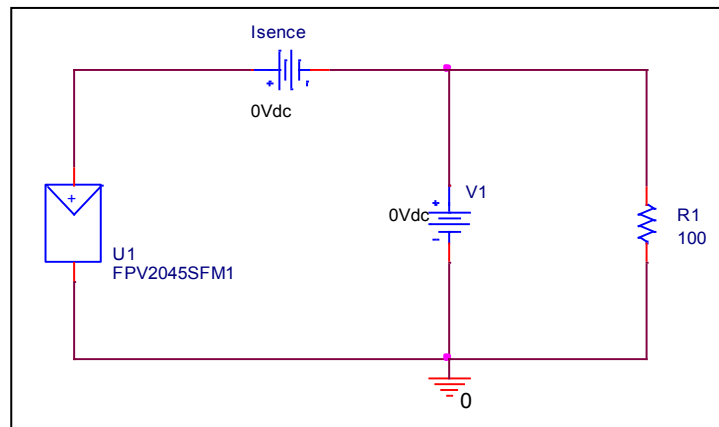
Bee Technologies Inc.

Output Characteristic

Circuit Simulation Result



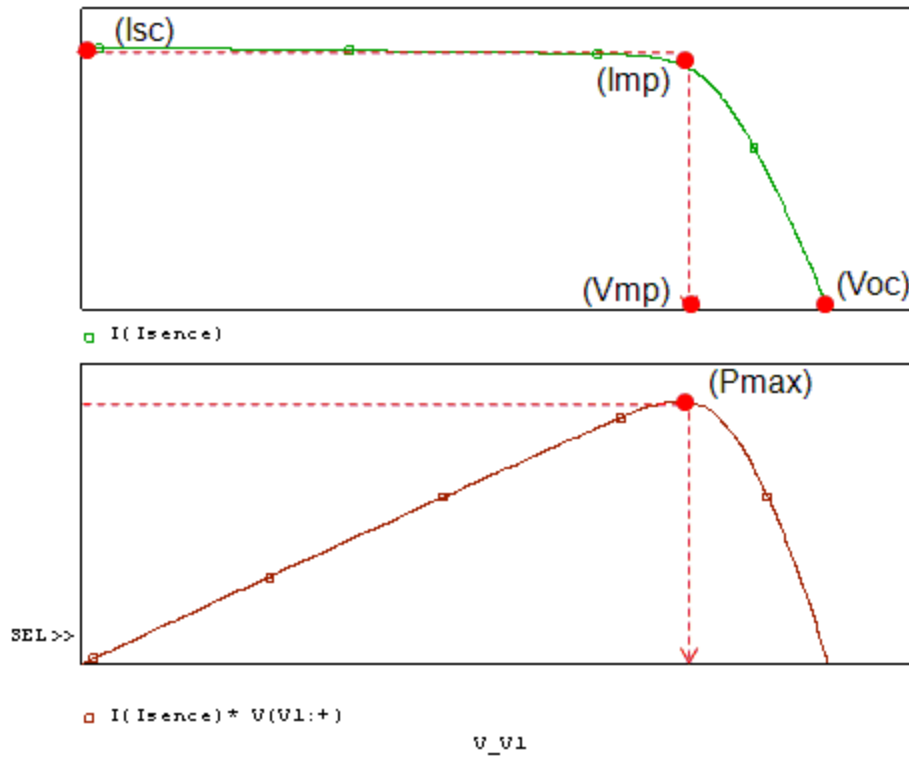
Simulation Circuit



Output Characteristic

Reference

Circuit Simulation Result



Data Table

Symbol	Measurement	Simulation	%Error
Pmax	45.000	44.924	-0.169
Vmp	158.500	158.300	-0.126
Imp	0.2840	0.2838	-0.075
Voc	215.000	214.803	-0.092
Isc	0.389	0.385	-1.028

Data Information

No. FPV2045SFM1	
Maximum output (Pmax)	45.000
Maximum power voltage (Vmp)	158.500
Maximum power current (Imp)	0.284
Open circuit voltage (Voc)	215.000
Short circuit current (Isc)	0.389