

# Device Modeling Report

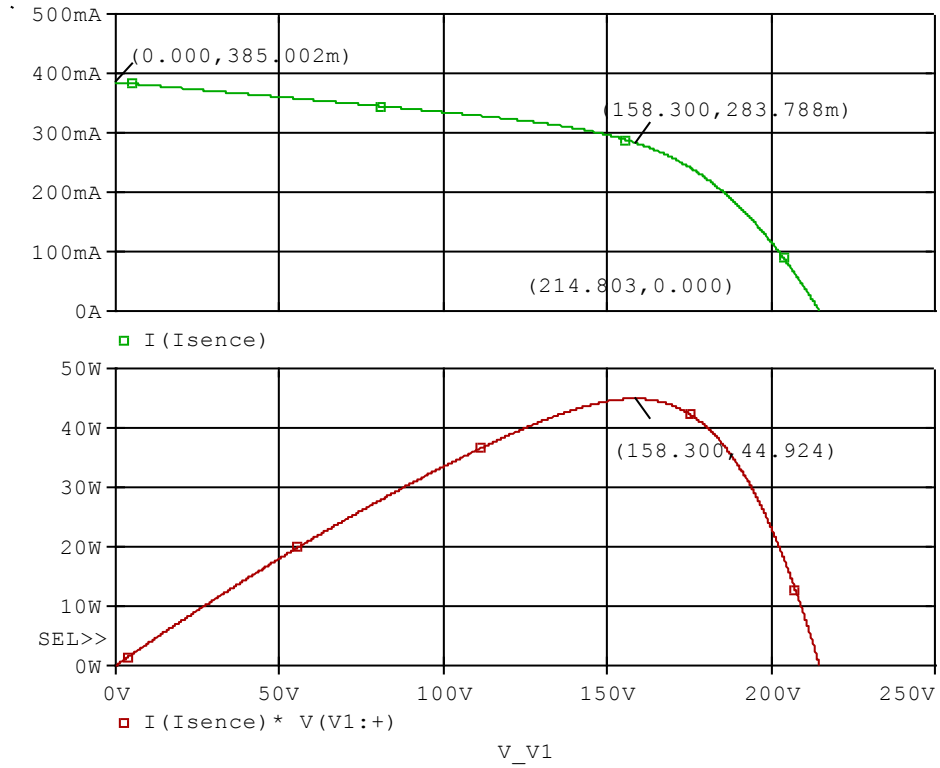
COMPONENTS: Solar Cell  
PART NUMBER: FPV2045SKM1  
MANUFACTURER: Fuji Electric Systems  
REMARK: Pmax=45(W)



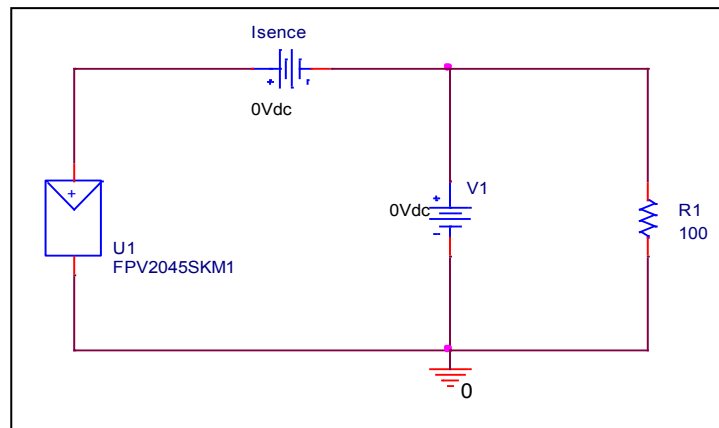
**Bee Technologies Inc.**

# Output Characteristic

## Circuit Simulation Result



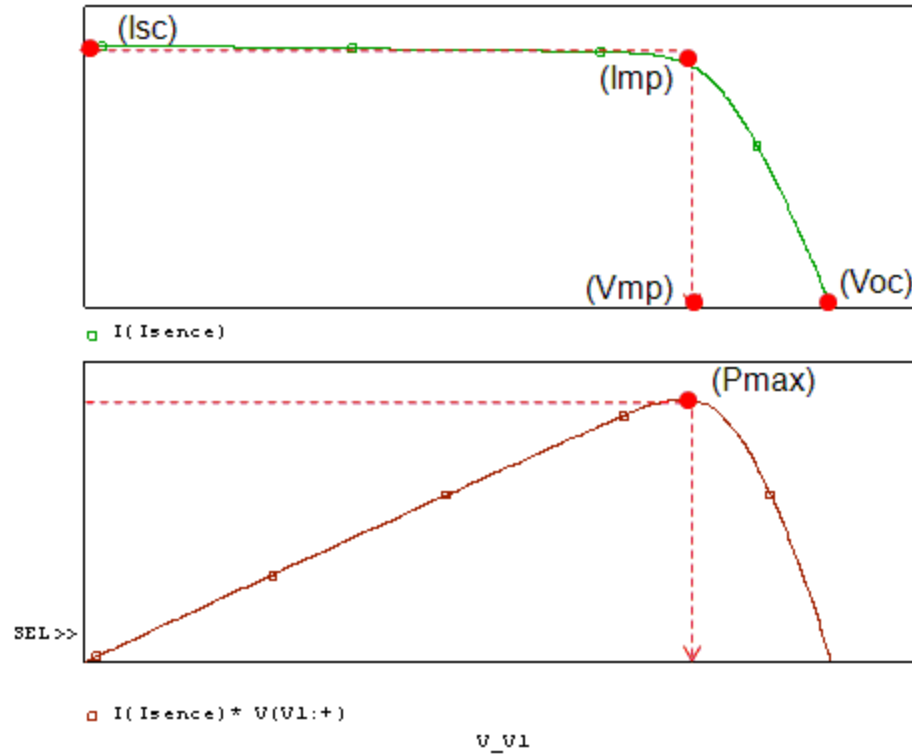
## Simulation Circuit



## 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. FPV2045SKM1	
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