

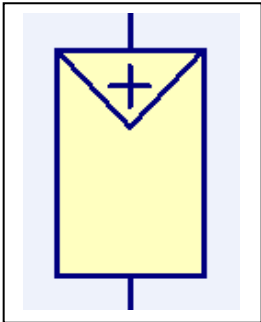
# Device Modeling Report

COMPONENTS: Solar Cell  
PART NUMBER: STP190-18\_Ud  
MUNUFACTURER: Suntech Power  
REMARK:Pmax= 190(W)  
REPORT of SolarCells (LTspice IV)



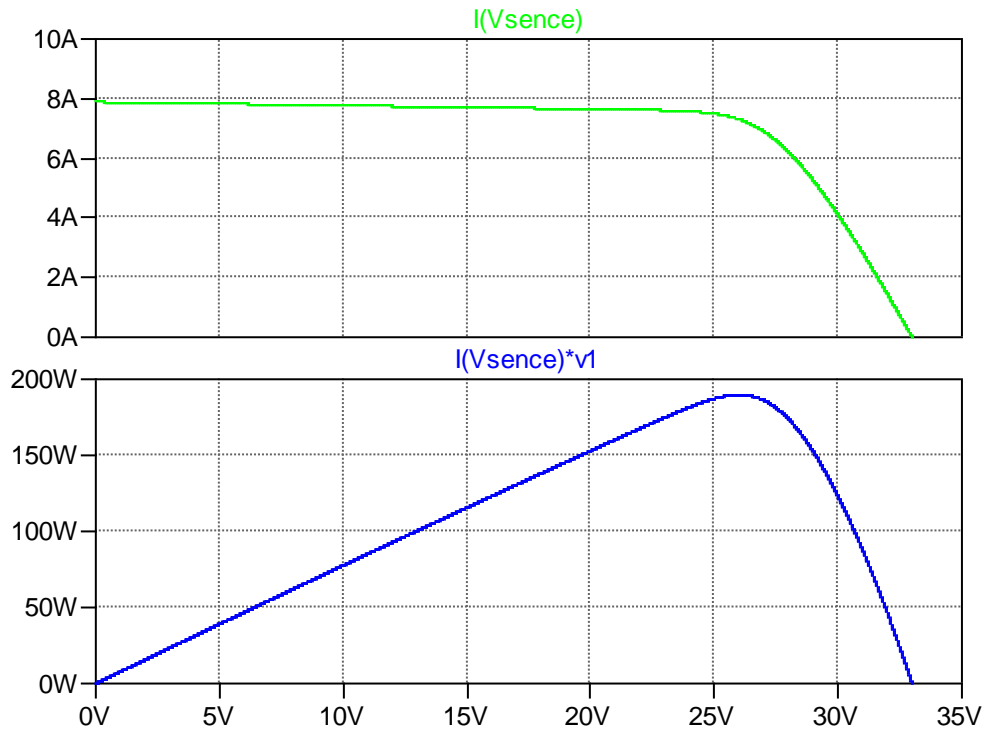
**Bee Technologies Inc.**

# Circuit Configuration

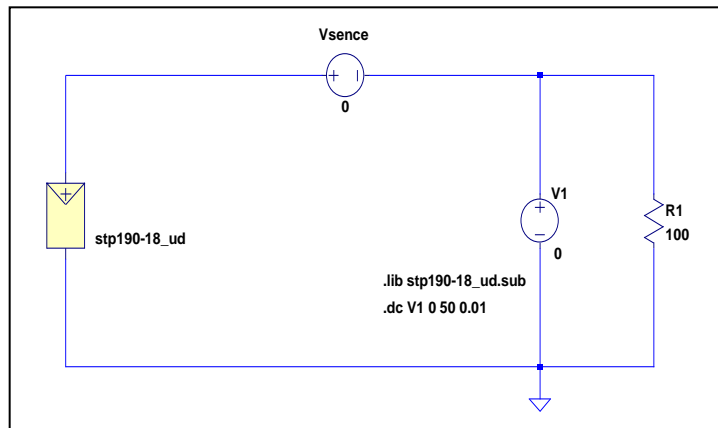


# Output Characteristic

## Circuit Simulation Result



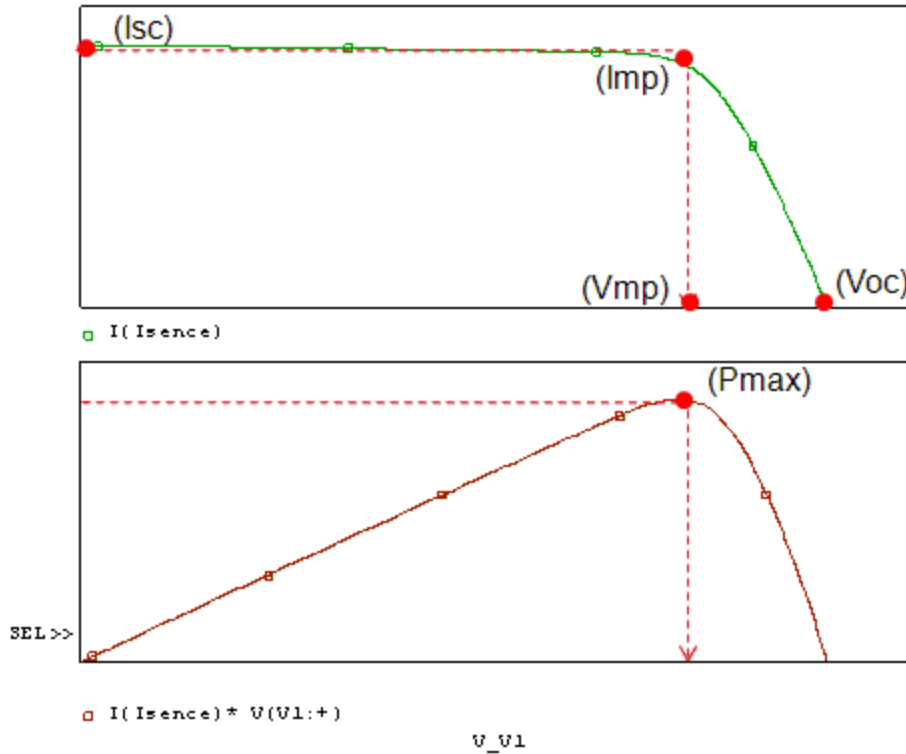
## Simulation Circuit



# Output Characteristic

# Reference

## Circuit Simulation Result



## Data Table

Symbol	Measurement	Simulation	%Error
Pmax	190.0000	189.8850	-0.061
Vmp	26.0000	25.9800	-0.077
Imp	7.3100	7.3089	-0.015
Voc	33.0000	32.9700	-0.091
Isc	7.8900	7.8900	0.000

## Data Information

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No.STP190-18/Ud	
Maximum output (Pmax)	190.0000
Maximum power voltage (Vmp)	26.0000
Maximum power current (Imp)	7.3100
Open circuit voltage (Voc)	33.0000
Short circuit current (Isc)	7.8900