

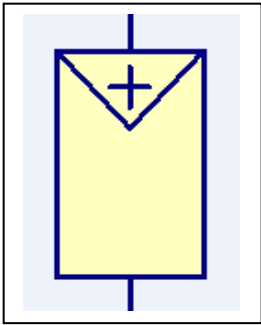
Device Modeling Report

COMPONENTS: Solar Cell
PART NUMBER: PCA200
MANUFACTURER: YOCASOL
REMARK: $P_{max}=200(W)$
REPORT of Solar Cells (LTspice IV)



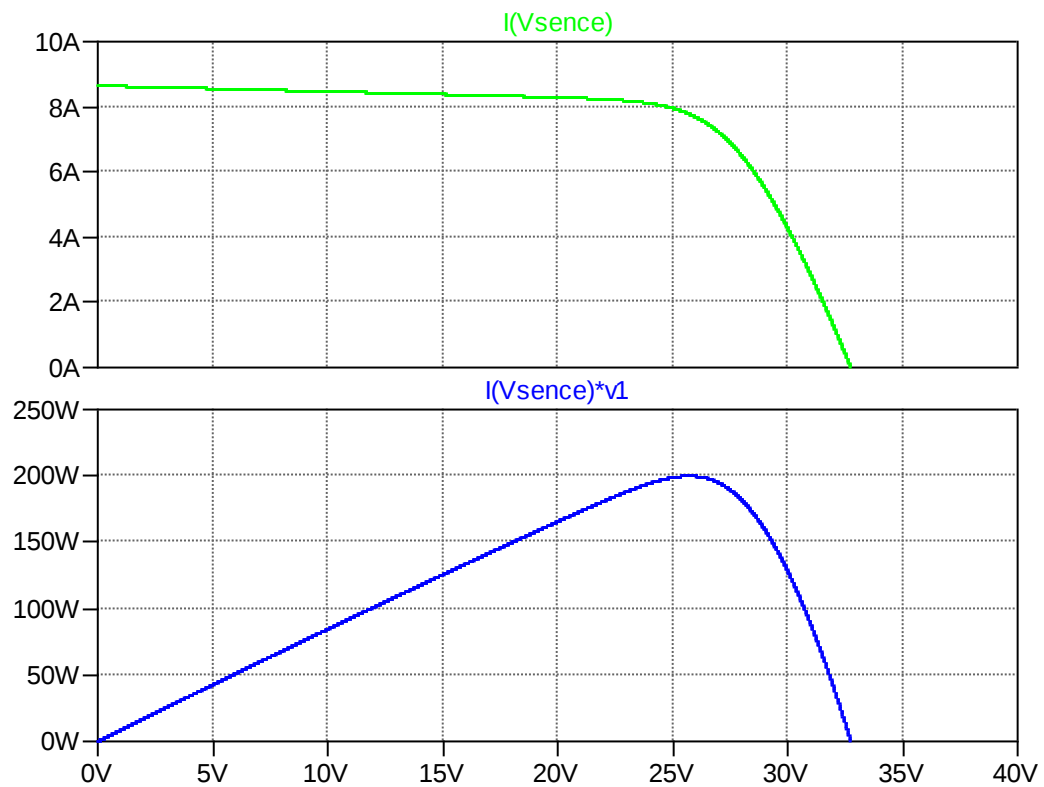
Bee Technologies Inc.

Circuit Configuration

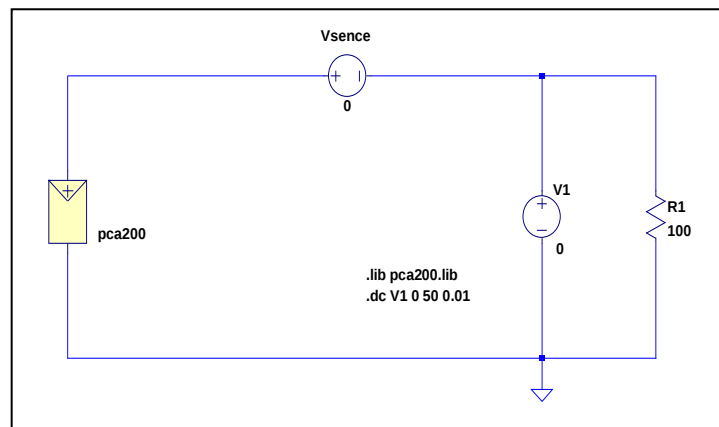


Output Characteristic

Circuit Simulation Result



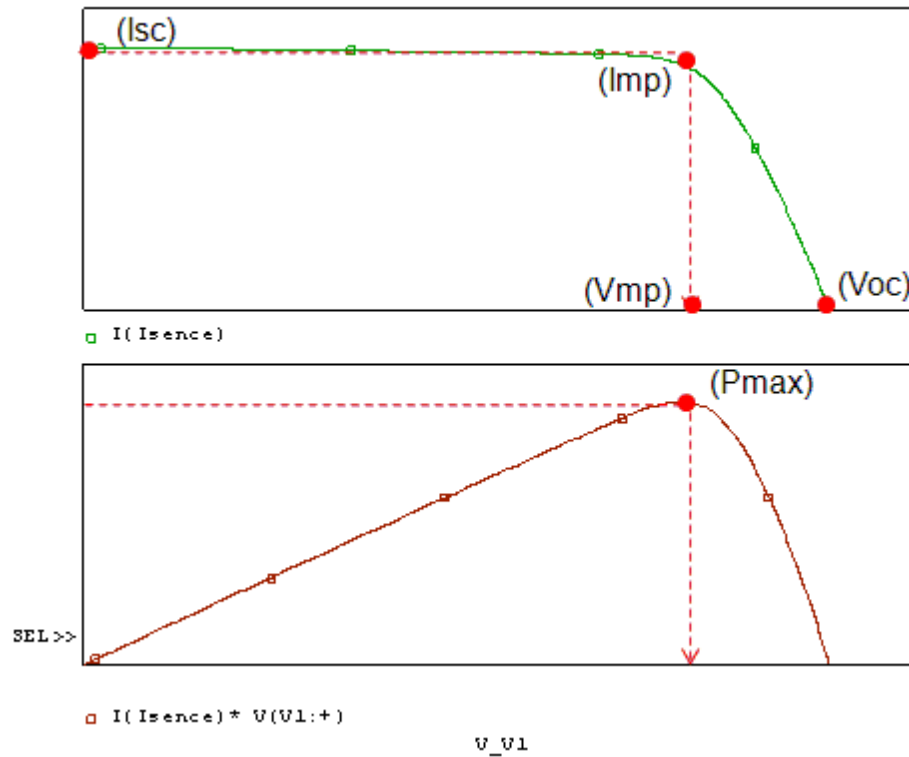
Simulation Circuit



Output Characteristic

Reference

Circuit Simulation Result



Data Table

Symbol	Measurement	Simulation	%Error
Pmax	200.000	199.8440	-0.0780
Vmp	25.700	25.6900	-0.0389
Imp	7.780	7.7791	-0.0116
Voc	32.800	32.7290	-0.2165
Isc	8.680	8.6419	-0.4389

Data Information

No.PCA200	
Maximum output (Pmax)	200W
Maximum power voltage (Vmp)	25.7V
Maximum power current (Imp)	7.78A
Open circuit voltage (Voc)	32.8V
Short circuit current (Isc)	8.68A