

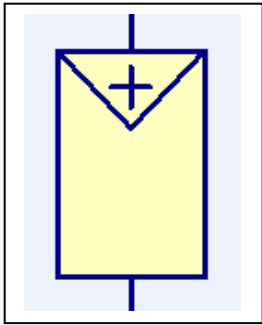
Device Modeling Report

COMPONENTS: Solar Cell
PART NUMBER: PCA195
MANUFACTURER: YOCASOL
REMARK: $P_{max}=195(W)$
REPORT of Solar Cells (LTspice IV)



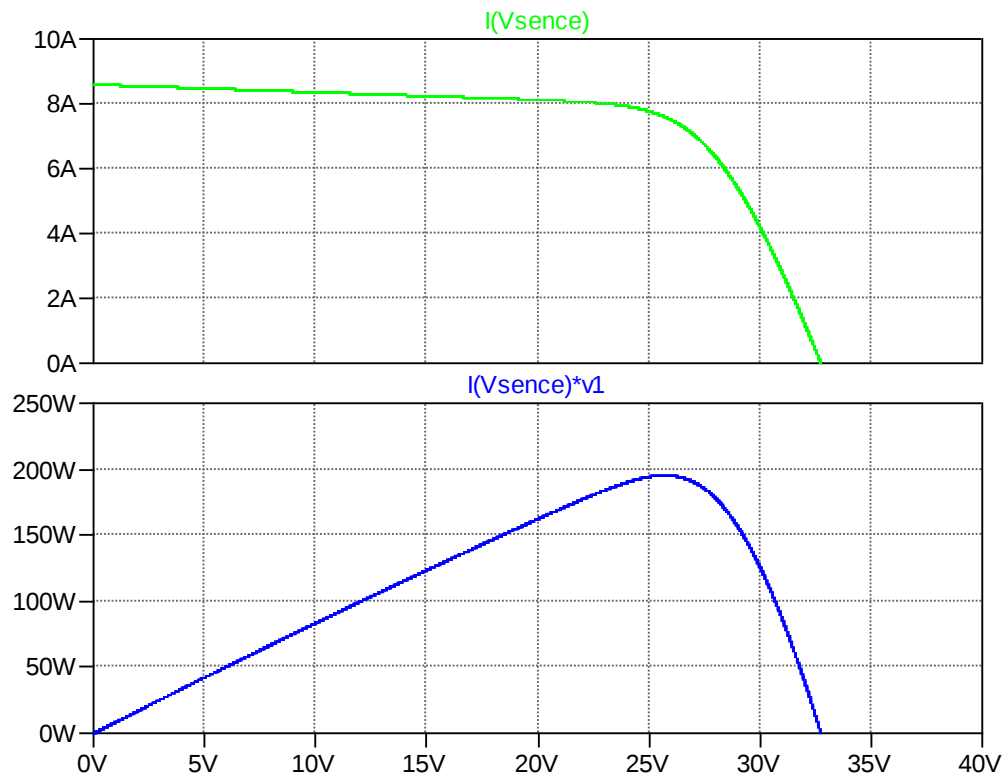
Bee Technologies Inc.

Circuit Configuration

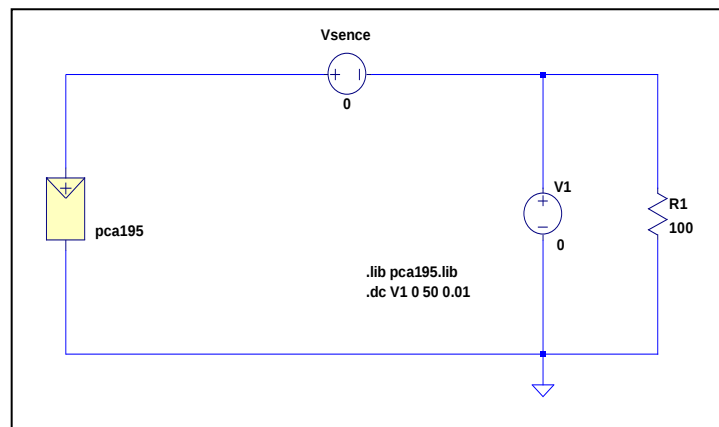


Output Characteristic

Circuit Simulation Result



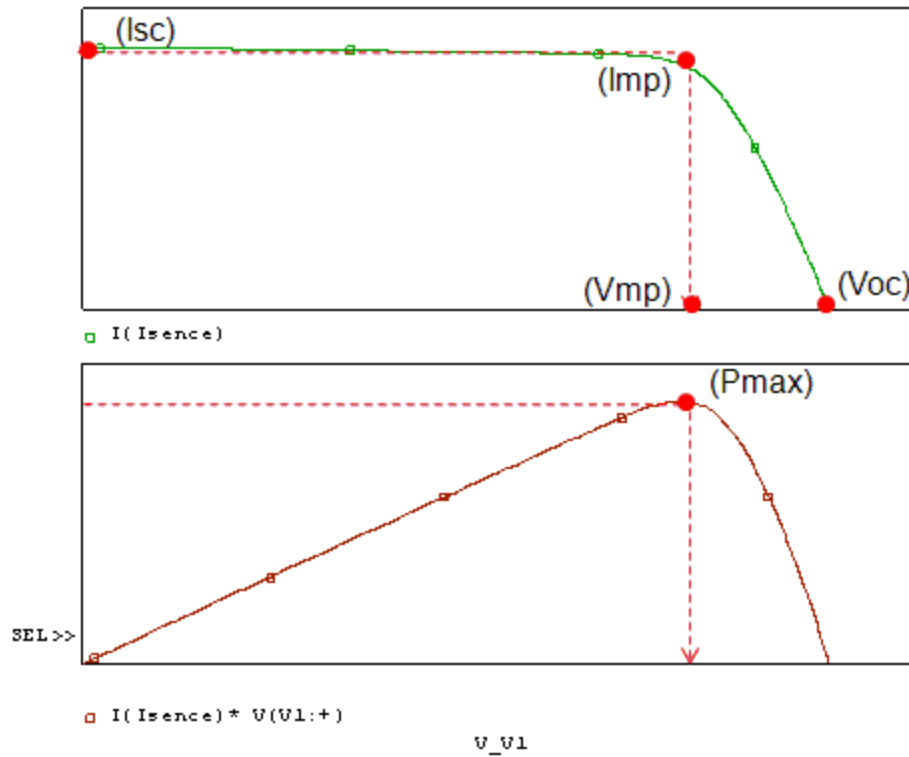
Simulation Circuit



Output Characteristic

Reference

Circuit Simulation Result



Data Table

Symbol	Measurement	Simulation	%Error
Pmax	195.000	195.2110	0.1082
Vmp	25.700	25.6900	-0.0389
Imp	7.600	7.5987	-0.0171
Voc	32.800	32.7120	-0.2683
Isc	8.650	8.5862	-0.7376

Data Information

No. PCA195	
Maximum output (Pmax)	195W
Maximum power voltage (Vmp)	25.7V
Maximum power current (Imp)	7.60A
Open circuit voltage (Voc)	32.8V
Short circuit current (Isc)	8.65A