

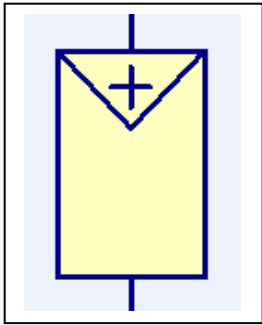
Device Modeling Report

COMPONENTS: Solar Cell
PART NUMBER: PCA190
MANUFACTURER: YOCASOL
REMARK: $P_{max}=190(W)$
REPORT of SolarCells (LTspice IV)



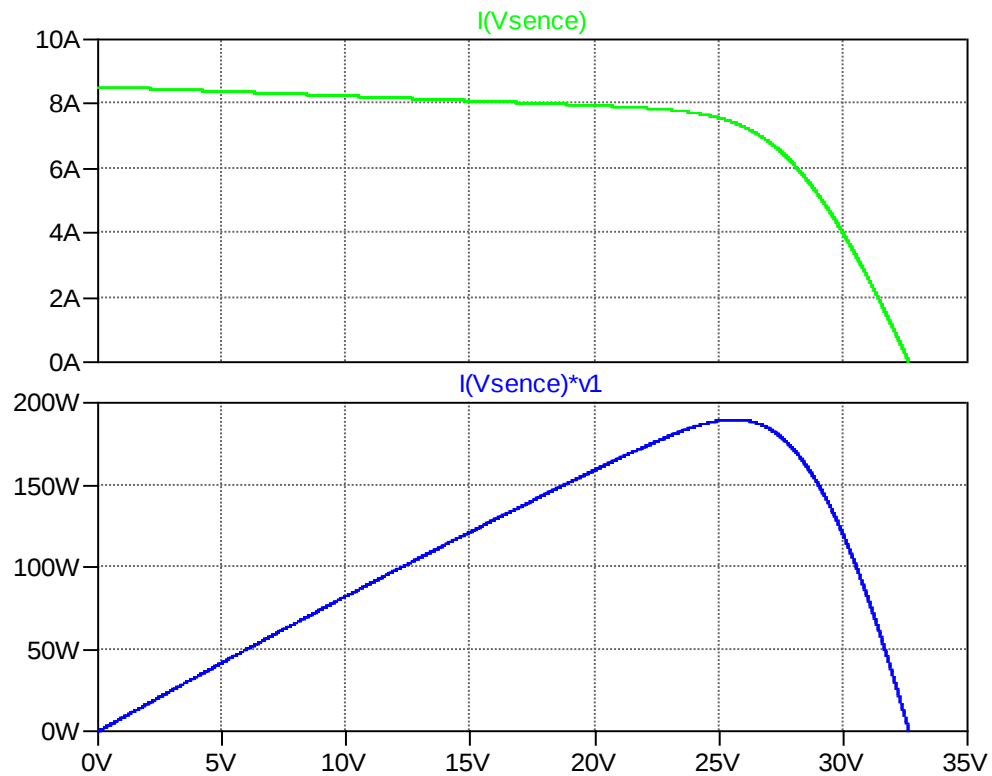
Bee Technologies Inc.

Circuit Configuration

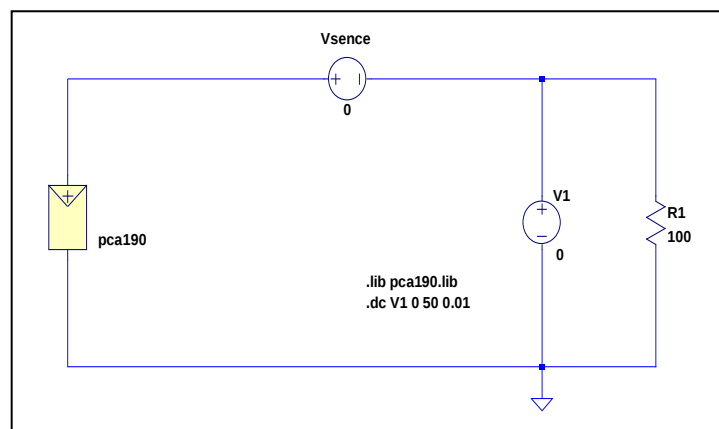


Output Characteristic

Circuit Simulation Result



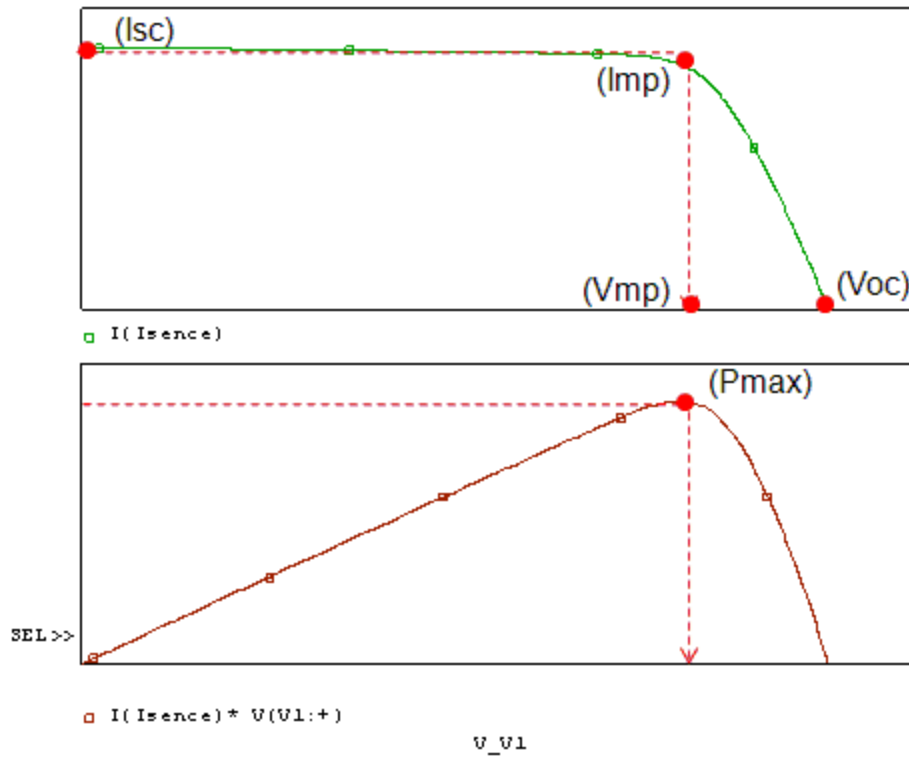
Simulation Circuit



Output Characteristic

Reference

Circuit Simulation Result



Data Table

Symbol	Measurement	Simulation	%Error
Pmax	190.000	189.8470	-0.0805
Vmp	25.600	25.5900	-0.0391
Imp	7.420	7.4188	-0.0162
Voc	32.700	32.6270	-0.2232
Isc	8.620	8.5324	-1.0162

Data Information

No. PCA190	
Maximum output (Pmax)	190W
Maximum power voltage (Vmp)	25.6V
Maximum power current (Imp)	7.42A
Open circuit voltage (Voc)	32.7V
Short circuit current (Isc)	8.62A