



**CANADIAN SOLAR MODULE HAS
HIGHER PVSYST SYSTEM YIELD**

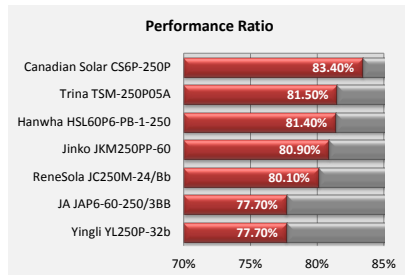
PVSYST is a widely used software for modeling PV energy production or yield estimates for all PV systems (utility, commercial and residential). Yield simulations can be performed for sites at any location in the world where accurate meteo data is available.

PVSYST uses PAN files to model solar PV modules. Other things being equal, system yield (specific energy production, or Performance Ratio) largely depends on module STC values.

Canadian Solar modules deliver up to 1199MWh more energy per year, that is 6.4% higher performance ratio than other industry leading companies (for a 10 MW system with poly 60-cell module and SMA 500KW Sunny Central inverter)

PVSYST modeling case 1:

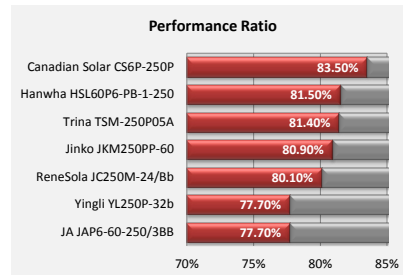
Location: India , Mumbai



Energy Yield (MWh per year)
16651
16265
16251
16153
16003
15517
15513

PVSYST modeling case 2:

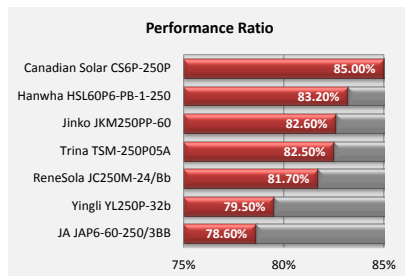
Location: Thailand 10MW, Bangkok



Energy Yield (MWh per year)
14842
14486
14476
14380
14245
13810
13810

PVSYST modeling case 3:

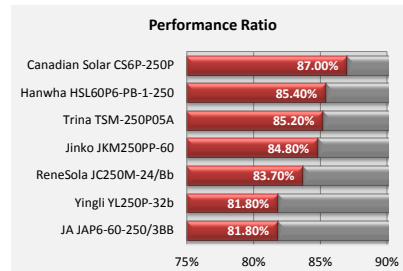
Location: Brazil, Brasilia



Energy Yield (MWh per year)
15967
15626
15524
15500
15354
14936
14768

PVSYST modeling case 4:

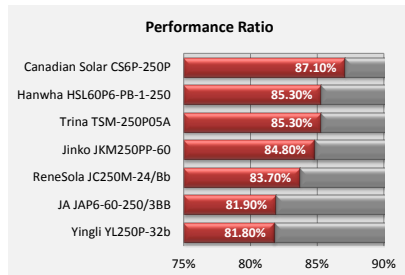
Location: Australia, Sydney



Energy Yield (MWh per year)
16579
16272
16237
16156
15949
15576
15588

PVSYST modeling case 5:

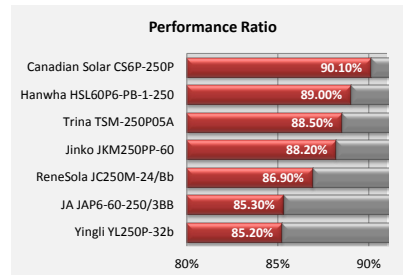
Location: USA, Los Angeles



Energy Yield (MWh per year)
18949
18573
18552
18464
18222
17819
17808

PVSYST modeling case 6:

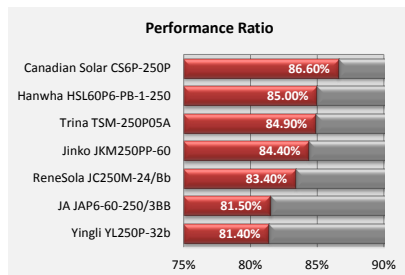
Location: China, Lanzhou



Energy Yield (MWh per year)
14771
14583
14502
14451
14240
13981
13968

PVSYST modeling case 7:

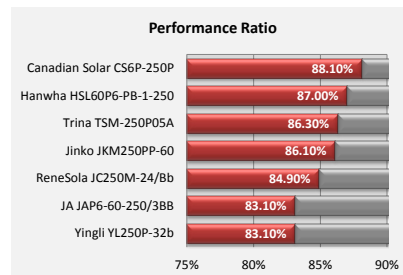
Location: Chile, Santiago



Energy Yield (MWh per year)
16678
16371
16349
16265
16064
15693
15676

PVSYST modeling case 8:

Location: Japan, Tokyo



Energy Yield (MWh per year)
11643
11495
11415
11379
11218
10988
10982

*Inverter: Mitsubishi 250-600V

