

## Simulating Dutch Net Metering in PV\*SOL

In the Netherlands, PV systems can make use of a power level of less than 15 kWp from net metering. Up to 5000 kWh of PV-generated electricity can be offset against the electricity consumed with net metering. The offset share of electricity produced with net metering has a value equal to the electricity purchase costs. A low feed-in tariff is paid for the excess electricity which is fed into the grid.

We will show you below how you can simulate Dutch net metering in PV\*SOL.

In PV\*SOL Expert and PV\*SOL advanced you can specify how much of the energy supplied is compensated and how much the compensation is. For the rest of the energy, you can specify a market value that you receive for this feed-in.

We use these values for simulating Dutch net metering.

To start with, the portion of electricity for your installation which can be offset as part of net metering must be calculated. This value is the smaller of consumption and production, but a maximum of 5000 kWh. The compensated portion with net metering results from:

Net metering kWh = min(consumption, production), but max. 5000kWh

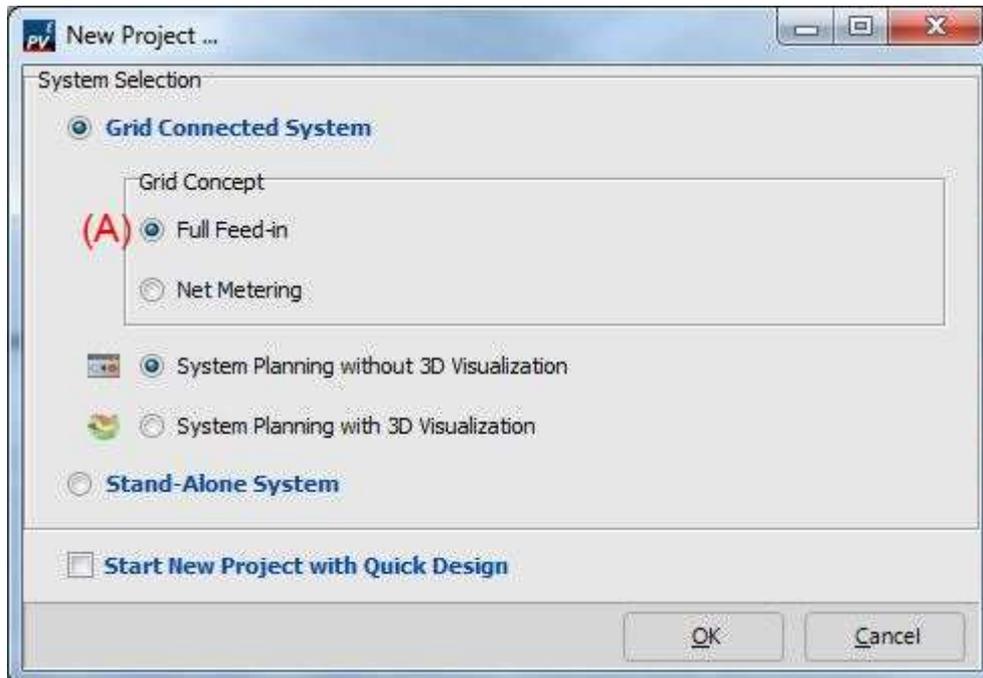
Net metering portion = (kWh net metering)/(kWh production).

Examples:

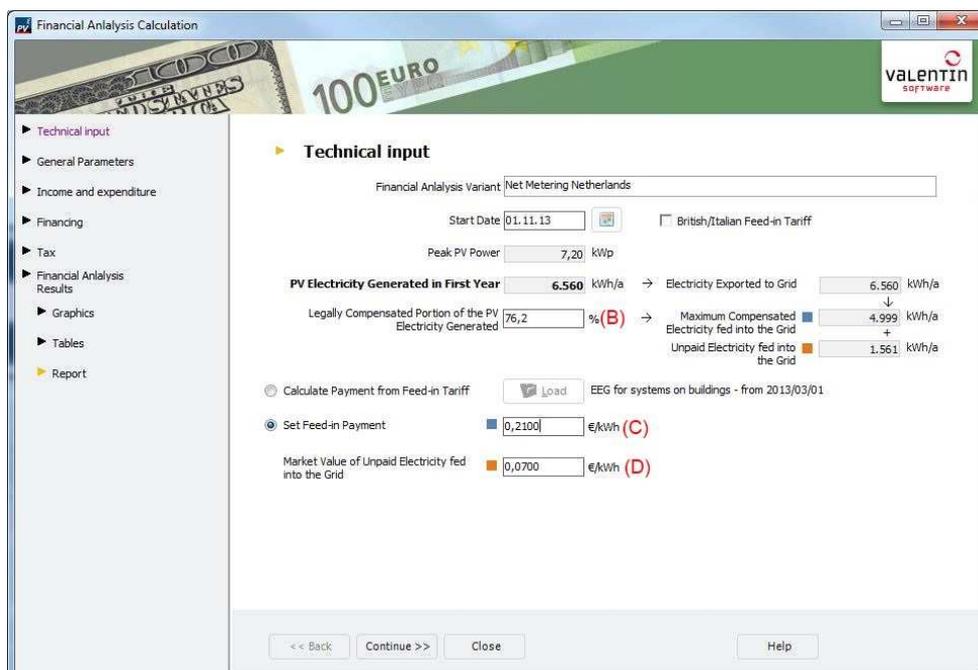
	<b>Consumption</b>	<b>Production</b>	<b>Net Metering</b>	<b>Feed-in</b>	<b>Compensated Portion</b>
Example 1	5000	4500	4500	0	100%
Example 2	4000	4500	4000	500	88,8%
Example 3	8000	6000	5000	1000	83,3%

## Entries in PV\*SOL Expert

In the dialog New Project, select "Full Feed-in" (A)

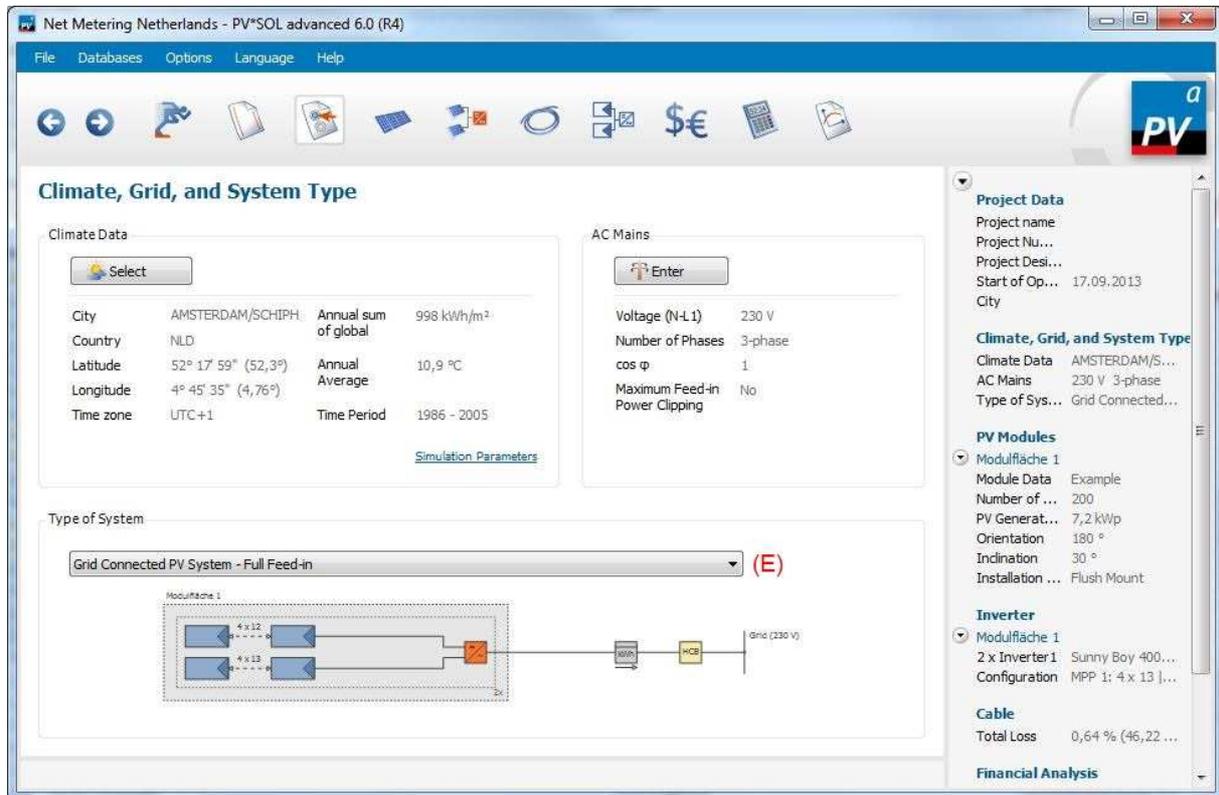


In the Financial Analysis Calculation, under "Legally Compensated Portion of the PV Energy Generated", enter the calculated net metering compensated portion. (B)  
 Under "Set Feed-in Payment", enter your electricity purchase costs per kWh. (C)  
 Under "Market Value of Unpaid Electricity fed into the Grid", enter the amount that you receive for feeding in excess electricity. (D)



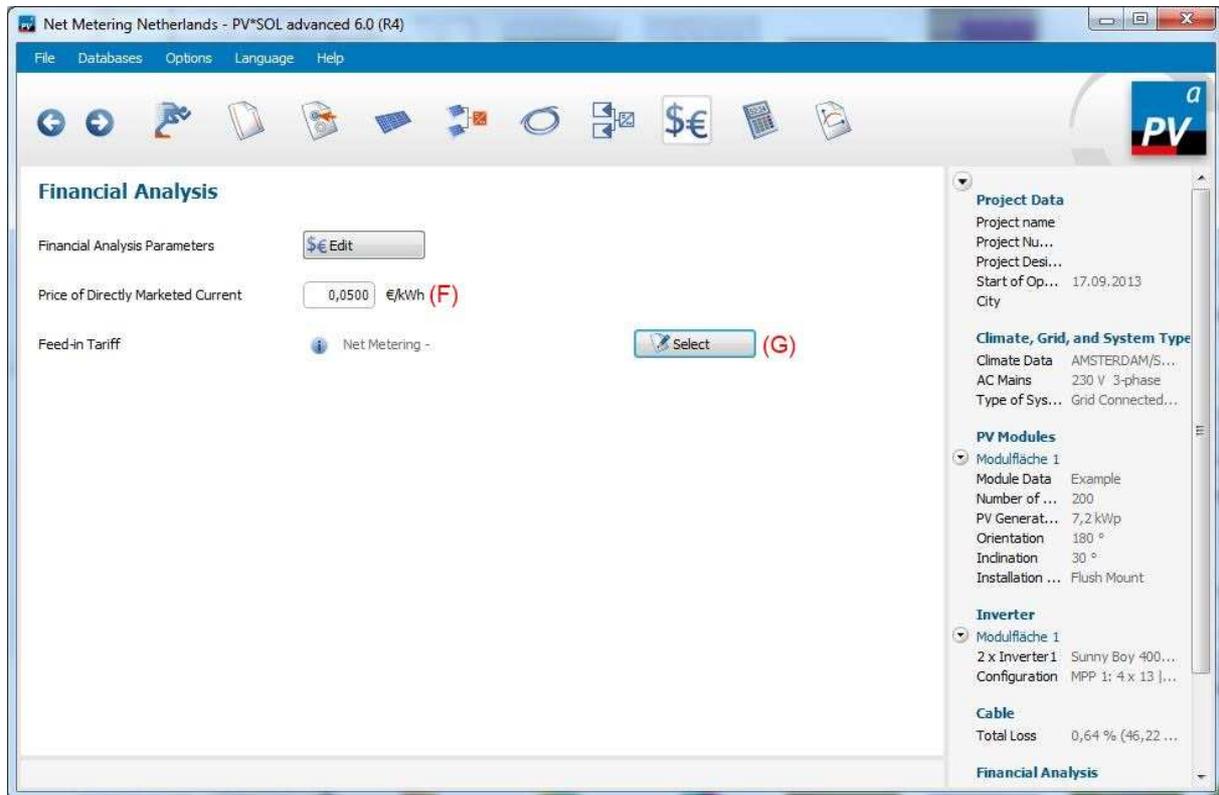
## PV\*SOL advanced

With PV\*SOL advanced, select "Grid Connected PV System – Full Feed-in". (E)

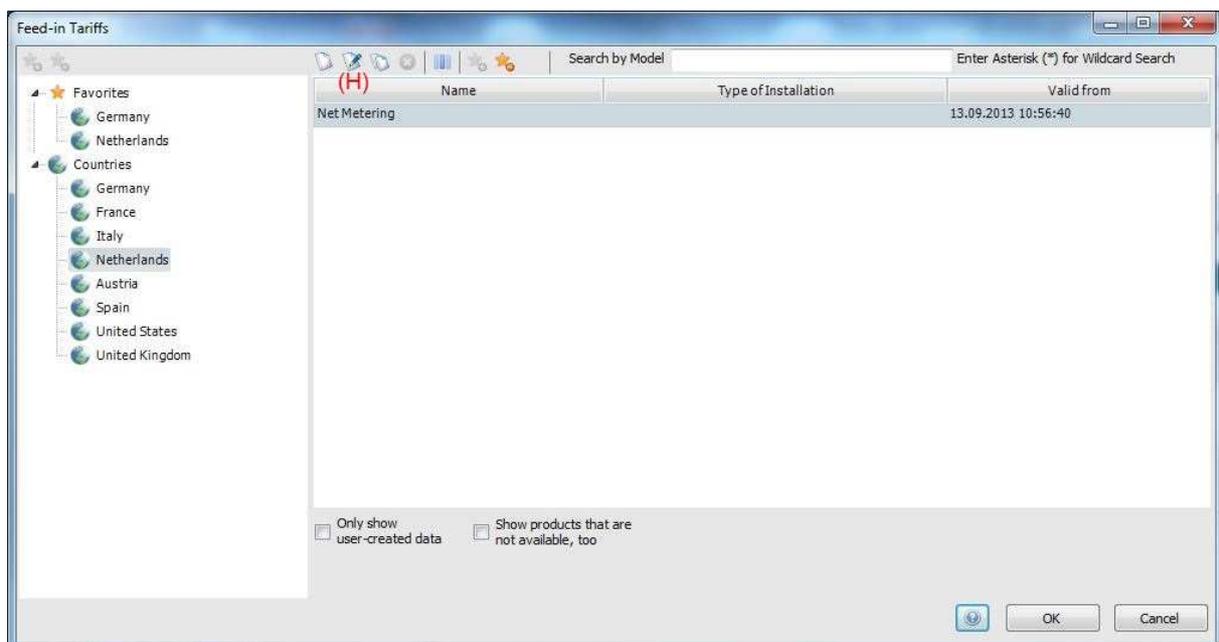


In the Financial Analysis dialog, under "Price for Directly Marketed Current", enter the amount that you receive for feeding in excess electricity. (F)

Click on "Select" for the Feed-in Tariff. (G)



In the dialog Feed-in Tariffs, for the Netherlands select the tariff "Net Metering" and then click on edit. (H)



In the dialog Feed-in Tariffs, enter your electricity purchase costs per kWh under "€/kWh".  
(I)

Under "Compensated Portion of the Electricity", enter the previously calculated portion of electricity that is compensated with net metering. (J)

Country: Netherlands

City:

Type of Installation:

Name: Net Metering

Valid from: 13.09.2013

Payout Duration: 20 Years

Power Thresholds:  Tariff Zones  Tariff Bands

Available

Last Update: 20.09.2013 13:30:21

\* Pleasenote that system data records cannot be edited.

From (Power in kWp)	(€/kWh)	Compensated Portion of the Electricity (%)
0	0,21 (I)	76 (J)

From (Power in kWp)	(€/kWh)	From (%)

From (Power in kWp)	(€/kWh)
0	0

If the assumed consumption changes, the net metering portion must be recalculated and re-entered accordingly.